



*Established 1853*

**TOOLS AND**  
**HARDWARE**  
**SPECIALTIES**

*Catalogue*  
*No. 38*

**JOHN STORTZ & SON**

*Incorporated*

DESIGNERS • MANUFACTURERS



210 - 212 VINE STREET

PHILADELPHIA, PA., U.S.A.

ESTABLISHED 1853

*Illustrated Catalogue*

**TOOLS**

*and*

**HARDWARE  
SPECIALTIES**

*No. 38*

**JOHN STORTZ & SON, INC.**

210-212 VINE STREET

PHILADELPHIA, PA., U. S. A.



## *To the Trade*

**T**HIS, our latest catalogue, contains illustrations and prices of the tools we manufacture. All previous catalogues should be destroyed.

For eighty-five years we have manufactured tools to give you and your customers utmost satisfaction. We stand behind each tool manufactured.

When comparing prices consider:

**FIRST.—OUR GUARANTEE** — We fully guarantee our tools to be satisfactory. Should any tool break, show a flaw in material or defect in manufacture, we will replace it.

**SECOND**—Only the finest materials and skilled labor plus eighty-five years of tool manufacturing experience enter into each product we manufacture. Each tool is thoroughly inspected in each department thus assuring you of an A-1 product to your complete satisfaction.

**THIRD**—Satisfied customers that use our tools are the foundation of our reputation. It is the aim of JOHN STORTZ & SON, Inc., to manufacture tools at the lowest possible cost to you. We cannot afford to sacrifice quality for price, doing so would injure our reputation.

TERMS: 2% for cash in ten days, 30 days net; all tools shipped F.O.B. Philadelphia at buyers' risk if no special arrangements are made. All claims must be made within 5 days after receipt of goods and invoice.

**Prices Subject To Change Without Notice.**

**JOHN STORTZ & SON, Inc.**  
**210 and 212 Vine Street**  
**PHILA., PA., U. S. A.**

ESTABLISHED 1853

●

# Illustrated Catalogue *of* **STORTZ'S *Quality* TOOLS**

Plumbers' and Tinnners' Tools  
Slaters' Tools  
Ice Tools, Shavers, Tongs, Hooks, Etc.  
Roofers' Tools  
Oyster Knives and Tools  
Crate Hammers and Hatchets  
Case, Box, Bale, Cargo, Hay Hooks  
Sidewalk, Ship Painters, Plumbers, Box Scrapers  
Cement and Concrete Workers' Tools  
Contractors' and Pavers' Tools  
Brushmakers' Tools and Loom Shears, Hackles  
Pneumatic Tools and Chisel Blanks  
Snow Shovels, Pushers, Etc.  
Caulking Tools  
Cold, Cape, Floor, Wood Chisels  
Punch and Star Drills  
Brick Trowels and Brick Carriers  
Branding Irons and Name Plates  
Tampers, Concrete, Dirt, Cement, Asphalt Smoothers  
Bow Rammers, Wood Darbies, Hawks and Floats  
Stortz Long Handle Trowels and Floats  
Masonry Tools, Stone Toothed Chisels  
Hammers, Mason Jointers  
Special Forgings and Bars

●

Every Tool bearing our name or trade-mark is fully warranted.



## PLUMBER'S TOOLS

In the last 50 years we have manufactured a line of Plumbers-Tools that cannot be excelled. From time to time we have added to our line numbers that proved to be of great use to the trade. The numbers we list are all saleable and you as a dealer should not hesitate to stock all of the numbers shown. We also manufacture many other types that we do not list and should you have calls for special numbers if you will mail us a sketch we will gladly quote you prices for it is our aim to satisfy both the customer and the dealer.

Fig. 1

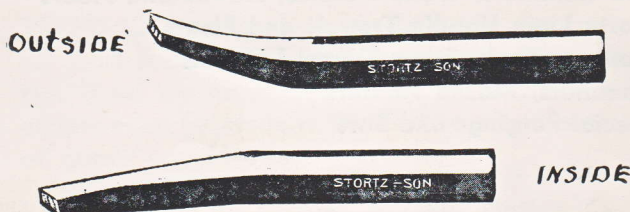
### STEEL BENDING PINS



No. 1—Tapered and Bent on both ends .....	\$6.00 Per doz.
No. 2—Tapered on both ends; Bent on one end only .....	6.00 “ “
No. 3—Tapered on one end only and Bent on Tapered End ....	6.00 “ “

Fig. 2

### STUB CAULKING IRONS



Length, 5 in. over all.

$\frac{5}{8}$ in. Steel, assorted thickness of face.....	\$6.60 Per doz.
$\frac{3}{4}$ in. Steel, assorted thickness of face .....	7.80 “ “
$\frac{7}{8}$ in. Steel, assorted thickness of face.....	9.00 “ “

Fig. 3



Length, 6½ in. over all.

	Doz.
⅝ in. Octagon Steel, 1 in. face. Assorted thickness of face .....	\$6.60
¾ in. Octagon Steel, 1 in. face. Assorted thickness of face .....	9.60
⅞ in. Octagon Steel, 1 in. face. Assorted thickness of face .....	14.40

Fig. 4

## GASKET IRONS

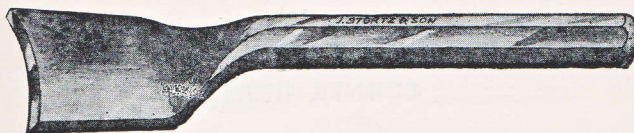


Length, 8 in. Over All.

Flat end—⅝ in. Octagon Steel, 3 in. Blade .....	\$6.60	Per doz.
Flat end—¾ in. Octagon Steel, 3 in. Blade .....	9.60	" "
Flat end—⅞ in. Octagon Steel, 3 in. Blade .....	14.40	" "

Fig. 5

## WIDE PACKING IRON



Length, over all, 7 in.

Blade, 1½ in. long; 1½ in. wide.

⅝ in. Octagon Steel, curved blade .....	\$8.20	Per doz.
¾ in. Octagon Steel, curved blade .....	9.60	" "

Fig. 6

## GASKET IRONS

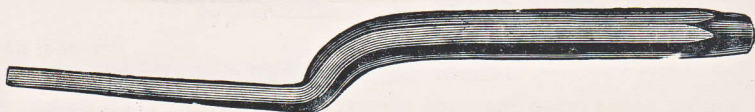


	Doz.
⅝ in. Octagon Steel. Length, 10 in. overall; Blade, 5 in. ....	\$6.60
¾ in. Octagon Steel. Length, 10 in. overall; Blade, 5 in. ....	9.60
⅞ in. Octagon Steel. Length, 10 in. overall; Blade, 5 in. ....	14.40



Fig. 7

## PLUMBERS' YARNING IRON



Length, 10 in. over all. Blade,  $4\frac{1}{2}$  in.

Long Nose Yarning Iron, $\frac{5}{8}$ in. Steel .....	Per doz. \$ 6.60
Long Nose Yarning Iron, $\frac{3}{4}$ in. Steel .....	“ “ 9.60
Long Nose Yarning Iron, $\frac{7}{8}$ in. Steel .....	“ “ 14.40

Fig. 8

## PACKING CHISEL

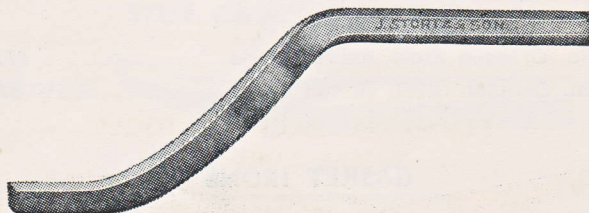


$\frac{5}{8}$  in. Octagon Steel, 18 in. long ..... Per doz. \$12.00

Fig. 9

## CORNER IRONS

RIGHT and LEFT HAND



Length, over all, 10 in.

$\frac{5}{8}$ in. Steel—Right hand bend .....	Per doz. \$10.00
$\frac{5}{8}$ in. Steel—Left hand bend .....	“ “ 10.80
$\frac{3}{4}$ in. Steel—Right hand bend .....	“ “ 12.00
$\frac{3}{4}$ in. Steel—Left hand bend .....	“ “ 12.00

Fig. 10

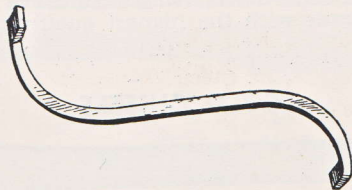
**PLUMBERS' CEILING TOOLS**  
**HAND FORGED**



Price ..... Per doz. \$24.00

Fig. 11

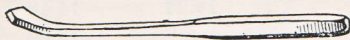
**PLUMBERS' "S" CAULKING TOOLS.**  
**HAND FORGED For Corners, &c.**



Price ..... Per doz. \$13.20

Fig. 12

**PLUMBERS' DOUBLE CAULKING TOOLS.**  
**HAND FORGED**



Price, 9 inch ..... Per doz. \$12.00  
 " 16 " ..... " " 14.00

Fig. 13

**PLUMBERS' ON AND OFF CAULKING TOOLS.**  
**HAND FORGED**



ON



OFF

On— $\frac{5}{8}$  in. Steel ..... Per doz. \$7.20  
 Off— $\frac{5}{8}$  in Steel ..... " " 7.20

Fig. 14

**PLUMBERS' PACKING TOOLS.**  
**HAND FORGED**



9 inches	.....	Per doz. \$ 6.60
10 "	.....	" " 6.90
12 "	.....	" " 7.50
14 "	.....	" " 8.20
15 "	.....	" " 8.60
16 "	.....	" " 9.00
17 "	.....	" " 10.00



## HAND CHISELS

From the beginning of manufacture, quality is the watchword in the making of our chisels. In co-operation with the steel manufacturers we obtain the highest grade tool steel, out of which we forge our tools. The heating of the steel for forging and hardening is automatically controlled with the most modern electro-mechanical devices designed for this purpose. We have replaced human inaccuracy and forgetfulness with machine uniformity and precision. Physical tests are made during grinding, hardening, and polishing operations to eliminate the defective material not up to our standards. Each chisel is given a final inspection so that you may sell any tool branded "Stortz" with confidence in the fact that you are furnishing your trade with the highest quality merchandise which is guaranteed.

Fig. 15

### COLD CHISELS



Size of Cut, in. ....	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Length, in. ....	4	5	5	6	6 1/2	7	8	9
Dozen .....	\$2.16	\$2.40	\$2.70	\$3.84	\$4.80	\$6.30	\$7.80	9.60
Face .....	1/2"	5/8"	3/4"	7/8"	1"			
Length, 12" .....	\$6.60	\$8.40	\$10.80	\$12.00	\$18.00			
"    18" .....		10.20	14.40	15.60	18.00			
"    24" .....			16.80	18.00	22.20			

Fig. 16

### CAPE CHISELS

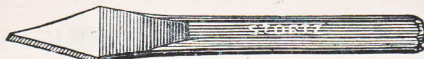


Fig. 17

### DIAMOND NOSE CHISELS

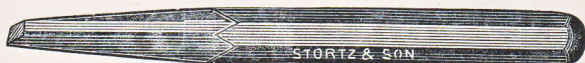


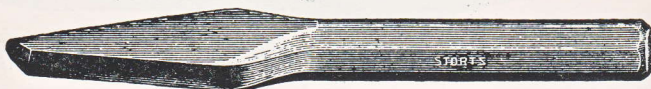
Fig. 18

### ROUND NOSE CHISELS



Fig. 19

### HALF ROUND NOSE CHISELS



### Cape Diamond Nose, Round Nose, Half Round Nose Chisels

Steel .....	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
Length .....	4"	4 1/2"	5"	6"	6 1/2"	7"	8"
Dozen .....	\$2.70	\$3.00	\$3.90	\$5.04	\$6.60	\$8.40	\$9.60

Fig. 20

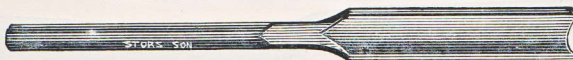
## ALL STEEL WOOD CHISELS



Size of Face, in. ....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Length, in. ....	9	10	11	12	14
Dozen .....	\$6.40	\$7.60	\$9.80	\$12.00	\$16.00

Fig. 21

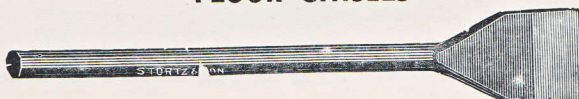
## ALL STEEL WOOD GOUGES



Size of Face, in. ....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Length, in. ....	9	10	11	12	14
Dozen .....	\$7.20	\$9.50	\$12.00	\$14.40	\$18.00

Fig. 22

## FLOOR CHISELS



Size of Face, in. ....	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Length, in. ....	$\frac{5}{8}$ x8	$\frac{3}{4}$ x10	$\frac{3}{4}$ x12	$\frac{3}{4}$ x14	$\frac{7}{8}$ x16
Dozen .....	\$10.80	\$13.20	\$16.20	\$20.40	\$26.40

Floor chisels are made to take up floors. The edge is inserted between two boards, and they are pried apart sufficiently to open the tongue and groove joint. In this way the board is raised without splitting. The chisel should not be used for any other purpose.

Fig. 23

## DIAMOND POINT DRILLS



Size of Face, in. ....	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
Dozen .....	\$4.32	\$4.80	\$5.40	\$6.30	\$7.50	\$9.00
Size of Face, in. ....	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	
Dozen .....	\$10.80	\$14.00	\$16.80	\$18.20	\$21.60	

Fig. 24

## STAR DRILLS



Size of Face, in. ....	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
Dozen .....	\$5.10	\$5.70	\$6.60	\$7.20	\$9.60	\$12.60
Size of Face, in. ....	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	
Dozen .....	\$16.20	\$21.60	\$26.40	\$31.20	\$36.00	



Fig. 25

## PLUG DRILLS



Size of Stock, in. ....	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
Size of Bit, in. ....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Dozen .....	\$13.00	\$14.00	\$15.00

Fig. 26

## NAIL CHISELS



$\frac{3}{4}$ x18 in. Octagon Steel,  $1\frac{1}{2}$  in. cut, Blade 10 in. long.

Fig. 27

## CLAPBOARD CHISELS



$\frac{3}{4}$ x18 in. Octagon Steel,  $1\frac{1}{2}$  in. cut, Blade 4 in. long.

Nail Chisels— $\frac{3}{4}$ "x18"	\$20.00	Per doz.
Clapboard Chisels— $\frac{3}{4}$ "x18"	18.00	" "

Fig. 28

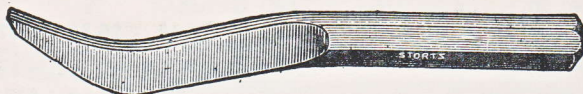
## JOINT CHISELS



Flat Steel Size— $\frac{3}{8}$ "x $\frac{7}{8}$ "x12"	\$7.20	Per doz.
Octagon Steel— $\frac{5}{8}$ "x12"	8.00	" "
Octagon Steel— $\frac{3}{4}$ "x12"	10.00	" "

Fig. 29

## PICKING CHISELS



$\frac{5}{8}$ in. Octagon Steel, 7 in. long .....	\$8.00	Per doz.
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Fig. 30

## KNURLED CENTER PUNCHES AND NAIL SETS



30-A



Packed 12. Assorted sizes in a box .....	\$2.50	Per doz.
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## HAND PUNCHES

Our experience in knowing the requirements of Punches enables us to select the best possible material out of which to make our products. The tools are heat treated and hardened with great accuracy and uniformity in order to stand unusual strains and shocks without bending or breaking.

**Fig. 31 CENTER PUNCHES**



Points are polished. Body finished in smooth black.

Size of Steel, in. ....	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$
Dozen .....	\$3.00	\$3.60	\$4.20	\$4.88

**Fig. 32 COOPERS' PUNCHES**



For Punching Holes in Hoop Iron, Sheet Iron, etc.

Size of hole, in. ....	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$
Size of Steel, in. ....	$\frac{5}{16} \times 4\frac{1}{2}$	$\frac{3}{8} \times 4\frac{1}{2}$	$\frac{3}{8} \times 5$	$\frac{1}{2} \times 6$	$\frac{1}{2} \times 6$	$\frac{5}{8} \times 7$	$\frac{5}{8} \times 7$	$\frac{3}{4} \times 7$
Dozen .....	\$2.40	\$2.88	\$3.30	\$4.20	\$4.20	\$6.00	\$6.00	\$7.20

**Fig. 33 OCTAGON PRICK PUNCHES**



Points polished. Body finished in smooth black.

Stock, $\frac{5}{16}$ in., $\frac{3}{8}$ in. ....	4	6
Length .....	\$3.00	\$3.60 Per doz.

**Fig. 34 SOLID MACHINE OR PIN PUNCHES**



Length, 4½, 6, 10 in. ....	$\frac{5}{16}$	9/32	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{5}{32}$	$\frac{1}{8}$	3/32
Size of Points, in. ....							
Length: Stock: .....							
4½ inches $\frac{5}{16}$ , $\frac{3}{8}$ , $\frac{7}{16}$ inches, according to point.....	\$6.00 Per doz.						
6 " $\frac{1}{2}$ inch .....	10.00 " "						
10 " $\frac{1}{2}$ inch .....	13.20 " "						

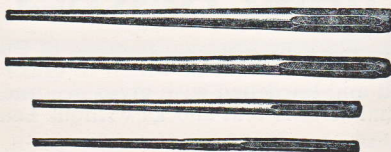
**Fig. 35 HAND FORGED RIPPING CHISELS**



18 inch .....	\$24.00 Per doz.
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Fig. 36

## ALIGNING OR DRIFT PUNCHES



Used by Structural Steel Workers for Aligning Beams, Sheet Steel, etc.

Size of Stock	Size of Point	Length	Dozen
$\frac{3}{8}$	$\frac{1}{4}$	10	\$ 8.00
$\frac{1}{2}$	$\frac{1}{4}$	10	11.00
$\frac{5}{8}$	$\frac{5}{16}$	12	16.00
$\frac{3}{4}$	$\frac{5}{16}$	12	19.00
$\frac{7}{8}$	$\frac{3}{8}$	15	24.00
1	$\frac{3}{8}$	15	25.00

Fig. 37

## RIVET BUSTERS

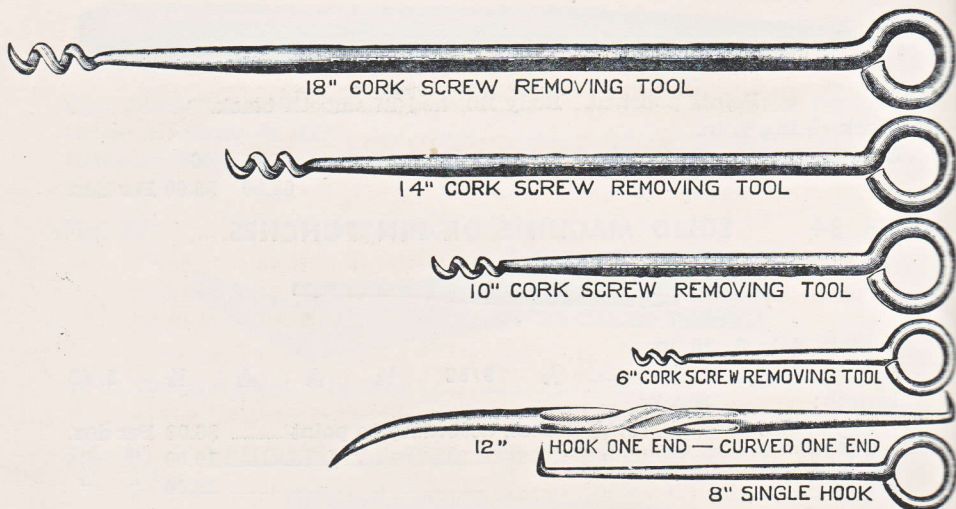


A practical tool specially designed for cutting rivets in places difficult to reach. Handy for dismantling old automobiles.

Cut	Stock	Length	Dozen
$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	12 in.	\$13.20
$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	18 in.	16.00

Fig. 38

## ENGINEERS' PACKING TOOL SET



8" SINGLE HOOK

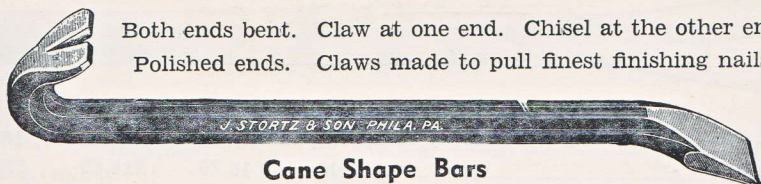
18" Cork Screw	.....	\$18.00	Per doz.
14" " "	.....	15.00	" "
10" " "	.....	12.00	" "
6" " "	.....	9.00	" "
12" " "	Hook Curved	12.00	" "
8" Single Hook	.....	7.20	" "



Fig. 39

**CANE SHAPE PINCH BAR**

Both ends bent. Claw at one end. Chisel at the other end.  
Polished ends. Claws made to pull finest finishing nails.

**Canes Shape Bars**

Length	15"	18"	24"	30"	36"	Per doz.
Steel						
5/8" .....	\$11.50	\$13.50	\$15.90			
3/4" .....		15.90	19.50	\$22.80	\$26.40	" "
7/8" .....			26.40	28.80	31.20	" "
1" .....				33.60	38.40	" "
1"x42" .....					43.20	" "

Fig. 40

**PINCH BAR WITH POINT**

One end straight or bent with chisel, other end straight with round or square points. Polished ends.

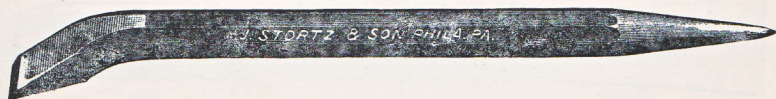


Fig. 41

**CLAW AND CHISEL BARS**

Both ends bent. Claw at one end. Chisel at the other end. Polished ends.

**Pinch Bars, Claw & Chisel Bars**

Length	15"	18"	24"	30"	36"	Per doz.
Steel						
5/8" .....	\$10.20	\$12.00	\$15.00	\$16.80	\$20.40	" "
3/4" .....		13.80	16.80	20.40	24.00	" "
7/8" .....			20.40	24.00	27.60	" "
1" .....				29.40	34.10	" "

Fig. 42

**BOX CHISELS****Flat Steel**

Length	12 in.	14 in.	16 in.
Dozen	\$7.20	\$9.00	\$10.00

**Octagon Steel**

Size	12x5/8 in.	14x3/4 in.	16x3/4 in.
Dozen	\$10.00	\$12.00	\$13.20

Fig. 43

## KNOB HEAD BOX CHISELS



## Octagon Steel

Length .....	10 in.	12 in.	14 in.	16 in.
Dozen .....	\$12.00	\$13.20	\$16.80	\$20.00

## CONCRETE &amp; STONE CHISELS, POINTS

Fig. 44

## BULL POINTS

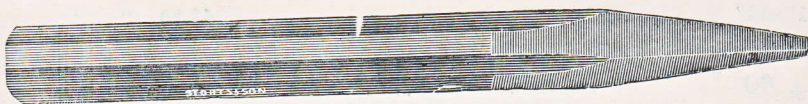


Fig. 45

## STONE POINTS &amp; CHISELS



Steel .....	5/8"	3/4"	7/8"	1"	1"
Length .....	9"	9"	9"	10"	18"
Dozen .....	\$6.00	\$7.80	\$9.00	\$12.00	\$19.20
Steel—1 1/8" Dia. ....			15"	18"	24"
Dozen .....			\$21.00	\$24.00	\$30.00
Steel .....	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
Length .....	18"	24"	18"	24"	30"
Dozen .....	\$26.40	\$31.20	\$36.30	\$42.00	\$53.00

Fig. 46

## STONE CUTTER'S CHISELS AND POINTS



Large size.

Fig. 47

## MALLET HEAD



## Mallet Head

5/8x9 in., 11 lbs. to dozen .....	\$9.00	Per doz
3/4x9 in., 14 lbs. to dozen .....	11.00	" "
7/8x9 in., 20 lbs. to dozen .....	13.20	" "



# TILE SETTERS' & MARBLE WORKERS' TOOLS

Fig. 48

## PLAIN CHISELS



Size of Steel .....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
Size of Face (Cutting Edge) .....	$\frac{1}{4}$ in.	$\frac{5}{16}$ to $\frac{5}{8}$ in.	$\frac{3}{8}$ to $\frac{3}{4}$ in.	$\frac{1}{2}$ to 1 in.
Dozen .....	\$4.50	\$5.00	\$5.50	\$6.50

Fig. 49

## PLAIN HEAD TOOTHED (Blunt or Sharp Teeth)



Size of Steel, in. ....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
Dozen .....	\$6.00	\$6.50	\$7.00	\$7.50
Size of Face— $\frac{1}{4}$ , $\frac{5}{16}$ to $\frac{5}{8}$ in., $\frac{3}{8}$ to $\frac{3}{4}$ in., $\frac{1}{2}$ to 1 in.				
Also furnished with Mallet Heads				

Fig. 50

## BEST QUALITY TOOL STEEL POINTS



Size of Steel, in. ....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
Dozen .....	\$4.50	\$5.00	\$5.50	\$6.50
Length, 9 inches.				

Fig. 51

## BEST QUALITY TOOL STEEL SPLITTERS OR LIFTERS



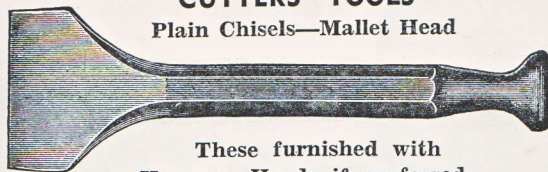
Size of Steel, in. ....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
Dozen .....	\$5.25	\$5.75	\$6.50	\$7.50

Short Hand-Made Tile Setters' Plain Chisels.  
Short hammer head, assorted lengths, from 4 to 5 inches.  
Made of  $\frac{1}{4}$  and  $\frac{5}{16}$  in. steel

Fig. 52

## HAND-MADE BEST QUALITY STONE CUTTERS' TOOLS

Plain Chisels—Mallet Head



These furnished with  
Hammer Heads if preferred.

$\frac{5}{8}$ in. Steel, bit from 1 to $1\frac{1}{2}$ in. wide .....	\$18.00 Per doz.
$\frac{3}{4}$ in. Steel, bit from 1 to $1\frac{1}{2}$ in. wide .....	22.00 " "
Wider bits made to order, 20c extra per each half inch over $1\frac{1}{2}$ inches.	



**Fig. 53 TOOTH CHISELS—Mallet Head**

These furnished with Hammer Heads if preferred.

$\frac{5}{8}$ in. Steel, bit from 1 to $1\frac{1}{2}$ in. wide. ....	\$20.00	Per doz.
$\frac{3}{4}$ in. Steel, bit from 1 to $1\frac{1}{2}$ in. wide. ....	24.00	" "

Wider bits made to order, 20c extra per each half inch over  $1\frac{1}{2}$  inches...

**Fig. 54 PITCHING TOOLS**

Forged from Best Quality Tool Steel.  
Oil Finish.

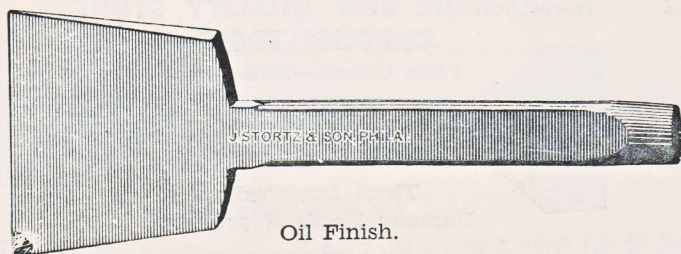
Give width of Cut and size of Steel.

Plain—Sizes— $\frac{3}{8}$ x2, $\frac{1}{2}$ x2 $\frac{1}{2}$ .....	\$18.00	Per doz.
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**Fig. 55 BRICK CHISELS**

Regular Size.

	Doz.
Flat Steel, size $\frac{3}{8}$ x $7\frac{7}{8}$ x12 .....	\$7.00
Octagon Steel, size $\frac{5}{8}$ x12 .....	7.80
Octagon Steel, size $\frac{3}{4}$ x12 .....	10.00
Octagon Steel, size $\frac{7}{8}$ x12 .....	12.60
Octagon Steel, size $\frac{5}{8}$ x18 .....	11.00
Octagon Steel, size $\frac{3}{4}$ x18 .....	13.20
Octagon Steel, size $\frac{3}{4}$ x24 .....	18.00
Octagon Steel, size $\frac{7}{8}$ x18 .....	18.00
Octagon Steel, size $\frac{7}{8}$ x24 .....	22.00

**Fig. 56 FRONT OR CLOSURE CHISELS**

Oil Finish.

Width of Face, in. ....	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Dozen .....	\$14.00	\$16.00	\$19.00	\$22.00

Fig. 57

**BRICKLAYERS' LINE PINS**

No. 1	No. 2	No. 3
\$3.00	\$3.60	\$1.80

Furnished in Light and Heavy Type.

Flat Steel Type .....  $\frac{1}{8} \times \frac{1}{2} \times 7$  in.

Fig. 58

**DOUBLE EDGE BRICK SCUTCH**

Forged from Best Tool Steel.

Scutch, or double edge, handled ..... \$36.00 Per doz.

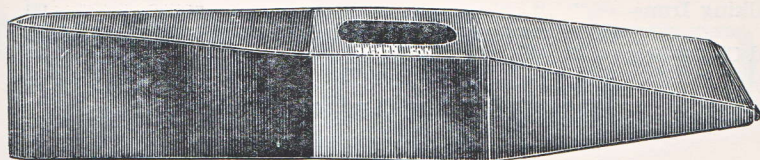
Fig. 59

**MILL PICKS**

Forged from best quality Steel.

Oil Finish— $1\frac{1}{2}$  to 3 lbs. .... \$36.00 Per doz.

Fig. 60

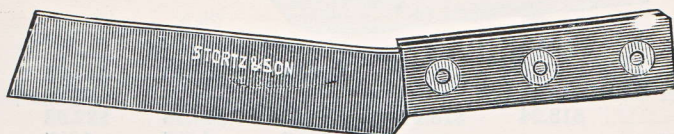
**BOILER PICKS**

Forged from best quality Steel.

Oil Finish—Made  $\frac{3}{4}$ , 1 and  $1\frac{1}{2}$  lbs. .... doz. \$18.00, \$20.00, \$24.00

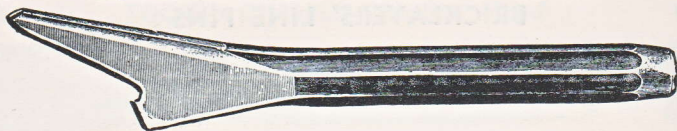
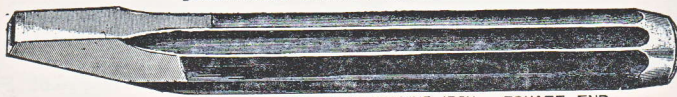
Special sizes made to order.

Fig. 61

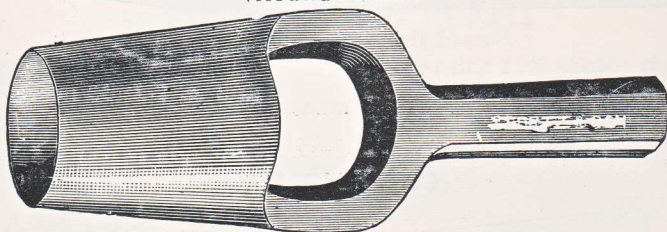
**CHIPPING KNIVES**

Blades  $4\frac{1}{2}$  inches to  $5\frac{1}{2}$  inches long ..... doz. \$16.20



**Fig. 62 BOILER MAKERS' CAULKING TOOLS****BOILER MAKERS' BEADING TOOL****BOILER MAKERS STRAIGHT CALKING IRON—SQUARE END****BOILER MAKERS STRAIGHT CALKING IRON—ROUNDED END****BOILER MAKERS BENT CALKING IRON—SQUARE END****BOILER MAKERS BENT CALKING IRON—ROUNDED END****Boiler Makers' Cold Chisel****Boiler Maker's Caulking Tools**

Beading Tools— $\frac{3}{4}$ " steel .....		\$1.80 each
$\frac{7}{8}$ " " .....		2.00 "
Caulking Irons— $\frac{3}{4}$ " " .....		.90 "
$\frac{7}{8}$ " " .....		1.00 "
Cold Chisel Sets— $\frac{3}{4}$ " " .....		6.00 "
$\frac{7}{8}$ " " .....		6.90 "

**Fig. 63 DOUBLE BOW ARCH PUNCHES (Round Punch)**

Diameter .....	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "
Dozen .....	\$11.35	\$11.35	\$11.35	\$11.35	\$16.32
Diameter .....	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"
Dozen .....	\$18.24	\$18.24	\$20.16	\$22.08	\$24.00
Diameter .....		$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "	2"
Dozen .....		\$38.40	\$57.60	\$84.74	\$99.00



Fig. 64

**BELL HANGERS', PLUMBERS' AND  
ELECTRICIANS' HAND GIMLETS**

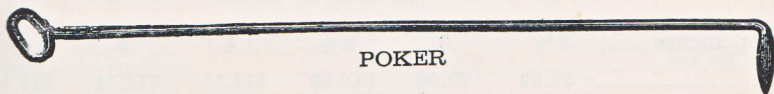
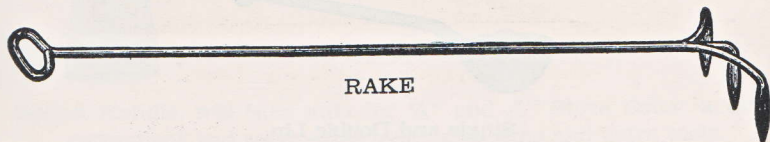
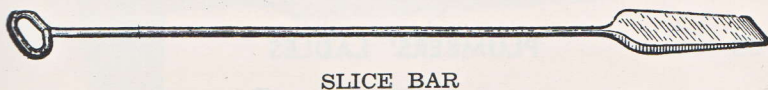
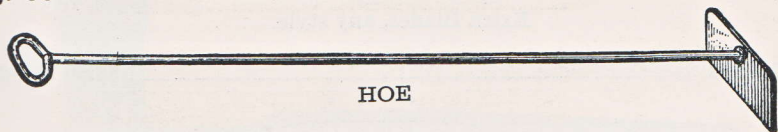
Fig. 65

**BRACE BITS**

Made in all sizes, regular, from  $\frac{1}{4}$  to  $\frac{3}{8}$  inches.

Length .....	15 in.	18 in.	24 in.	30 in.
Dozen .....	\$14.00	\$16.00	\$18.00	\$20.00

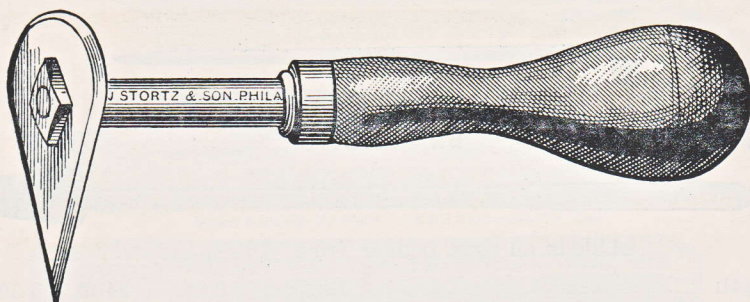
Fig. 66

**ENGINEERS' FIRING TOOLS****Firing Tools**

Steel .....	5/8"	3/4"	3/4"	7/8"	7/8"	1"	
Length .....	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	11 ft.	
Hoe .....	each	\$6.00	\$6.50	\$7.70	\$8.50	\$9.00	\$10.50
Bar .....	"	4.50	5.00	5.50	6.50	7.20	9.00
Rake .....	"	6.50	7.70	8.60	9.00	9.60	11.00
Poker .....	"	4.00	4.50	5.00	5.60	6.50	8.00
				Hoe	Bar	Rake	Poker
1"x12"—each .....				\$11.50	\$10.00	\$12.00	\$9.00
Pipe Handles Additional—each .....							\$2.00

Fig. 67

## SHAVE HOOKS



No. a—Oval Blades.

No. b—Half Oval Blades.

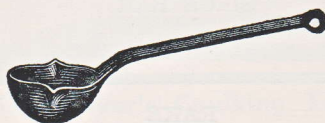
No. c—Triangle Blades.

Extra Blades, any style.

All sizes ..... \$6.50 Per doz.

Fig. 68

## PLUMBERS' LADLES



Single and Double Lip.

Singles, inches .....	2½	3	3½	4	5	6
Dozen .....	\$7.60	\$9.00	\$10.00	\$11.40	\$14.24	\$17.10
Double, inches .....	2½	3	3½	4	5	6
Dozen .....	\$10.92	\$11.86	\$14.24	\$17.10	\$22.80	\$26.60

Fig. 69

## TINNERS' PRICK PUNCHES



Prick Punches .....	5" <sup>5</sup> / <sub>16</sub>	3" <sup>3</sup> / <sub>8</sub>
Dozen .....	\$3.00	\$3.60

Fig. 70

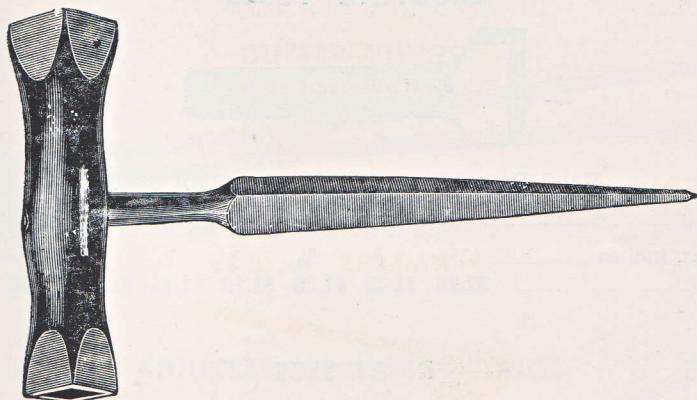
## TINNERS' SOLID PUNCHES



No.	00	0	1	2	3	4	5	6	7	8
For Rivets, oz.	14	12	10-8	7-6	5-4	3-2½	2-1¾	1½-1¼	11	10-8
Tinner's Solid Punches	\$5.00 Per doz.									

Fig. 71

## SOCKET "T" REAMERS AND WRENCH



Socket Handle, will turn nuts for  $\frac{1}{4}$ " and  $\frac{5}{16}$ " Stove Bolts; a most convenient and serviceable tool; saves time and extra tools.

Forged Steel.

Socket T Reamer	\$20.00 Per doz.
-----------------	------------------

Fig. 72

## WIRE CHISELS



Furnished with Cutting Edge from  $\frac{1}{4}$  in. to 2 in. x  $\frac{1}{8}$  inches.  
Length 5 inches.

Cut, inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
Dozen	\$4.80	\$4.80	\$4.80	\$6.00	\$6.00	\$7.60
Cut, inches	1	1¼	1½	1¾	2	2¼
Dozen	\$7.60	\$8.00	\$8.00	\$9.60	\$9.60	\$12.00



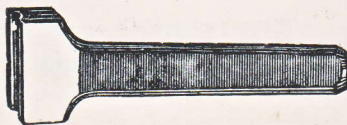
Fig. 73

**TINNERS' HOLLOW PUNCHES**

Our Punches are all Forged from Best Materials.  
Special sizes made to order.

Diameter Cut, inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Each	\$ .96	\$ .96	\$ .96	\$1.20	\$1.44	\$1.68	\$1.92

Fig. 74

**GROOVING TOOLS**

Hand Forged from Best Quality Tool Steel.

No.	00	0	1	2	3	4	5	6
Grooves, inches	$\frac{1}{2}$	$\frac{7}{16}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{7}{32}$	$\frac{3}{16}$	$\frac{5}{32}$
Each	\$1.28	\$1.28	\$1.28	\$1.16	\$1.16	\$1.08	1.08	1.08

Fig. 75

**RIVET SETS**

Hand forged Crucible Steel.



No.	000	00	0	1	2	3	4	5	6
For Iron Rivets	$\frac{3}{8}$ "	14 lb.	12 lb.	8 lb.	6 lb.	4 lb.	2½ lb.	2 lb.	1½ lb.
Each	\$1.28	\$ .96	\$ .96	\$ .78	\$ .78	\$ .63	\$ .63	\$ .48	\$ .48

Fig. 76

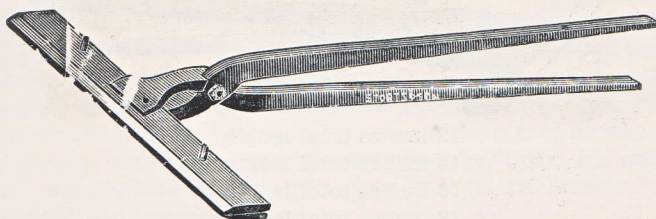
**TINNERS' ROOFING SCRAPERS**

Forged from Best Quality Steel; Tempered and Fully Warranted.

8 inches	\$7.00	Per doz.	9 inches	\$8.00	Per doz.
10 inches	9.00	" "	12 inches	10.00	" "

Fig. 77

## ROOFING TONGS



All Steel. Quality Guaranteed.

$\frac{1}{2}$  in.,  $\frac{3}{4}$  in., 1 in.,  $1\frac{1}{4}$  in.,  $1\frac{1}{2}$  in.,  $1\frac{3}{4}$  in. and 2 in. .... \$8.25 Pair

Fig. 78

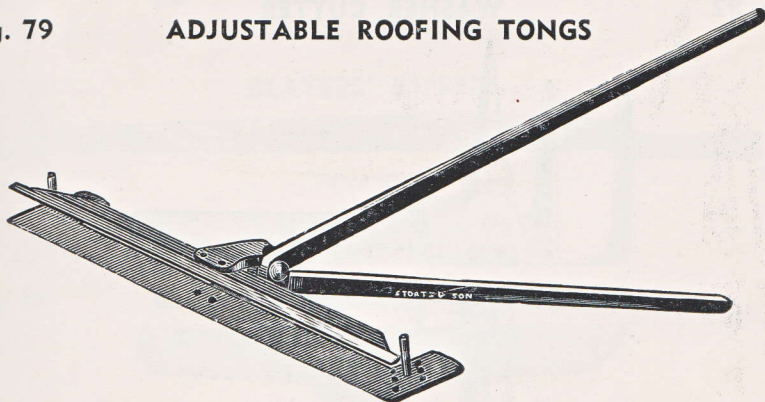
## GUTTER TONGS



12 in. and 14 in. Throat ..... \$9.75 Pair

Fig. 79

## ADJUSTABLE ROOFING TONGS



One pair of tongs will fold edges of  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$ ,  $1\frac{1}{2}$  and 2 inches, \$9.75 Pair

These tongs deserve to be better known than what they are. They will do the work of six regular tongs, while the price is only a trifle higher than an ordinary one. The adjustment is made by removing pin shown on each side of the tongs, screwing them into proper hole, corresponding with the size of standing Roof Seam desired.

Fig. 80

## CLAMP TONG

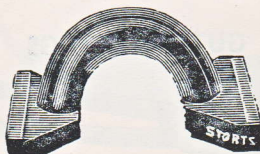


12 inches total length.  
 14 inches total length.  
 16 inches total length.  
 18 inches total length.

\$6.75 Pair.

Fig. 81

## ROOFING DOUBLE SEAMER

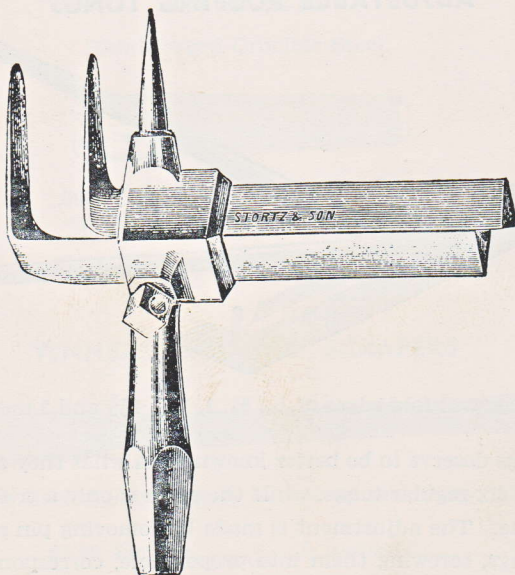


$\frac{3}{4}$ "x1" .....	\$5.25 Pair
1"x1 $\frac{1}{4}$ " .....	5.25 Pair
1 $\frac{1}{4}$ "x1 $\frac{1}{2}$ " .....	6.00 Pair

Roofing Double Seamer, to match Tongs.

Fig. 82

## WASHER CUTTER



Strong and well made. Best quality of Forged Steel Cutters. \$24.00 Dozen



## SLATE ROOFER'S TOOLS

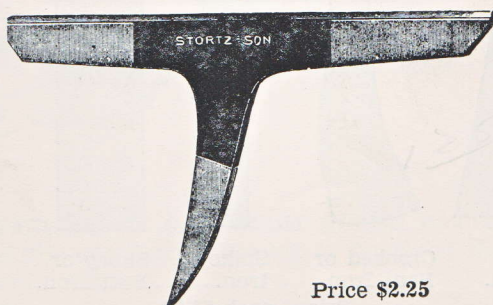
We manufacture the finest Slaters' Tools in the country. The Hammers are forged from one solid piece of steel, therefore the claws are not welded on, but are part of the head. We have been for many years and are still the only firm that manufactures Slaters' Tools in large quantities. All others who make them are blacksmiths, who forge a few, no two alike, in shape or quality, which are sometimes sold at a low price, but are dear at any price. We produce the only first-class tools in the market. All tools finely polished and tempered.

**Fig. 83****SLATERS' HAMMERS**

Price \$6.00

**Fig. 84****SLATERS' RIPPERS**

Price \$3.75

**Fig. 85****SLATERS' STAKES**

Price \$2.25

# CAULKING AND SHIP TOOLS

## CAULKING IRONS

Hand Forged Best Tough Steel  
Specially Made for the Purpose.

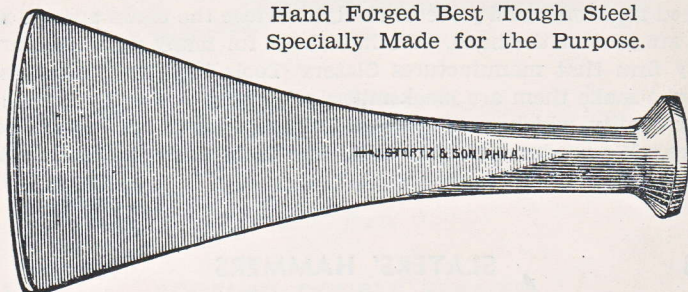


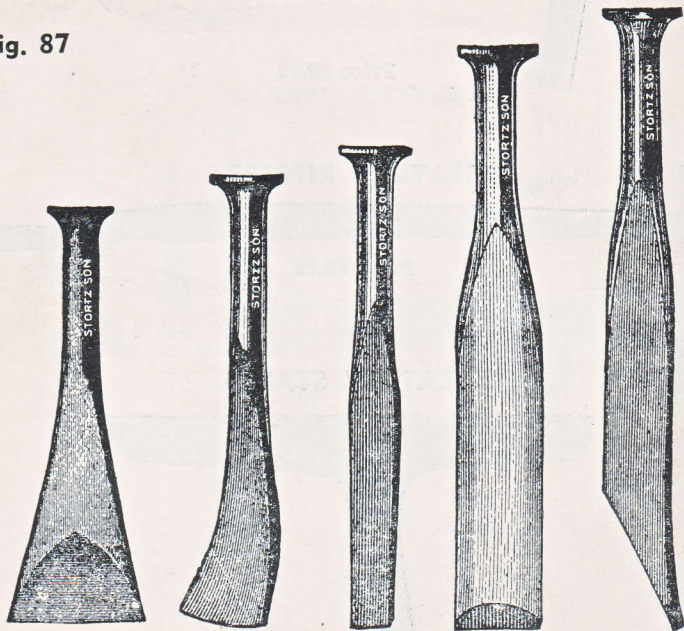
Fig. 86

## CAULKING AND MAKING IRONS

- No. 1—Caulking Irons, no crease;  $\frac{1}{16}$  inch thick.
- No. 2—Caulking Irons, no crease;  $\frac{1}{8}$  inch thick.
- No. 3—Caulking Irons, no crease;  $\frac{3}{16}$  inch thick.
- No. 4—Caulking Irons, no crease;  $\frac{1}{4}$  inch thick.
- No. 1—Making Irons, creased;  $\frac{1}{16}$  inch thick.
- No. 2—Making Irons, creased;  $\frac{1}{8}$  inch thick.
- No. 3—Making Irons, creased;  $\frac{3}{16}$  inch thick.
- No. 4—Making Irons, creased;  $\frac{1}{4}$  inch thick.

Price—each \$1.90

Fig. 87



Deck or  
Dumb Iron.

Crooked or  
Bent Iron.

Spike  
Iron.

Sharp or  
Butt Iron.

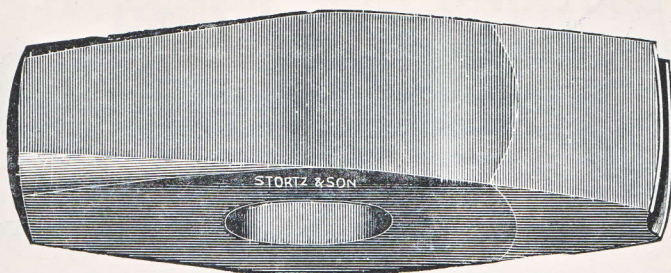
Clearing or  
Reefing Iron.

Price—each \$1.90



Fig. 88

### PHILADELPHIA PATTERN HOOP DRIVER

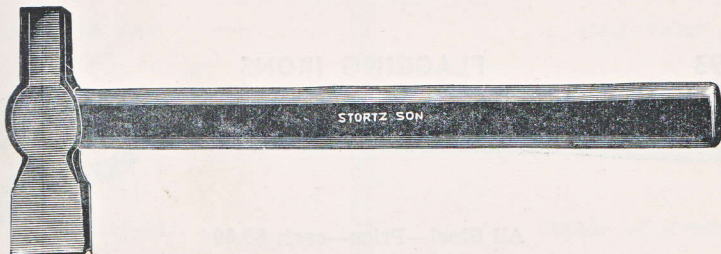


#### BEST CAST STEEL

No. 1—Light Weight, 16 ounces .....	Per Doz. \$29.00
No. 2—Heavy Weight, 24 ounces .....	" " 32.00
No. 3—Heavy Weight, 32 ounces .....	" " 38.00
Handles, add. " "	6.00

Fig. 89

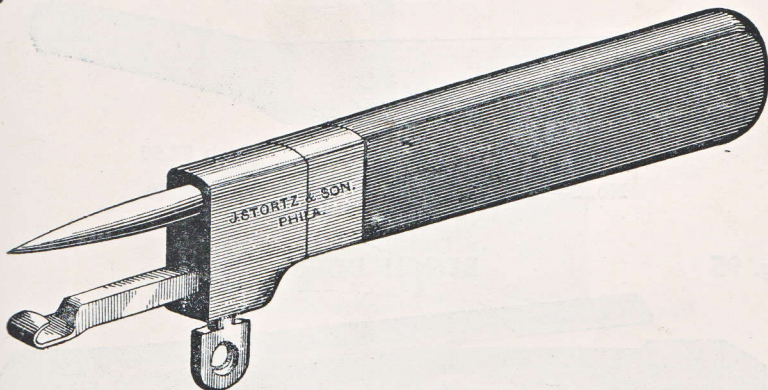
### NANTUCKET PATTERN HOOP DRIVER



With Handles ..... Per Doz. \$45.00

Fig. 90

### GAUGERS' SCRIBES

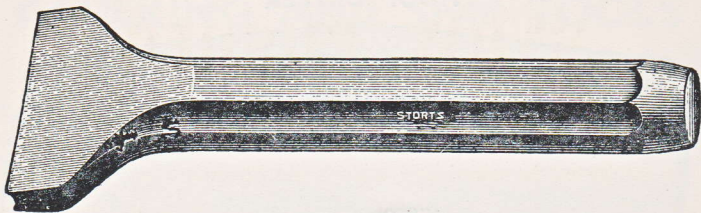


#### STANDARD U. S. CUSTOM HOUSE PATTERN

Steel Top and Ferrule Riveted in Rosewood Handles

Gaugers Scribes .....	Per Doz. \$56.00
Blades only .....	" " 12.00



**Fig. 91 ALL-STEEL HAND HOOP DRIVERS**

Steel  $\frac{7}{8}$ "      Length  $6\frac{1}{2}$ "      Face  $1\frac{5}{8}$ "      Price \$22.00 Per doz.

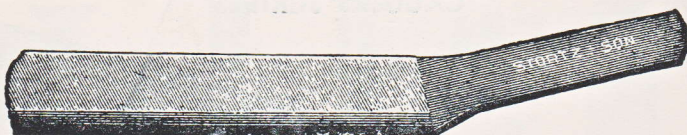
**Fig. 92 BARREL HEAD RAISER**

Length 12 inches—Price \$12.00 Per doz.

The handiest Tool made for raising the heads of barrels without breaking.

**Fig. 93 FLAGGING IRONS**

All Steel—Price—each \$5.00

**Fig. 94 COOPERS' CHIME MAULS**

No. 1—About 9 pounds. Price—each \$3.60

No. 2—About 13 pounds. Price—each \$4.20

**Fig. 95 BENCH DOGS**

Cabinet Makers' Steel Springs. Price—doz.-pr. \$42.00

# SNOW PUSHER

The dealer will find the Stortz Snow Pusher a fast selling item and he should be prepared to meet the winter requirement by carrying a fair size stock. This pusher is made of a fine grade of shovel steel that your customer will find very serviceable. The handle is made of a good grade of wood that is waxed and we feel that our pusher cannot be surpassed.

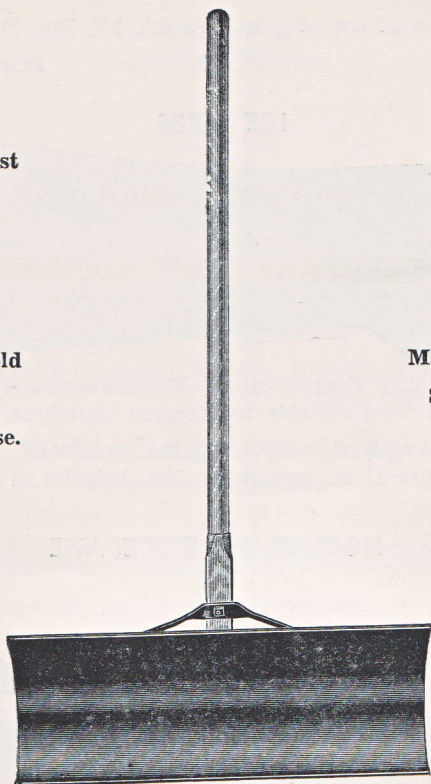
**Fig. 96**

**Built to Last**

**Best Value**

**For Household  
and  
Industrial use.**

**Made of sturdy  
Shovel Steel  
16 Gauge.**



**Price**

**18"**

**24"**

**\$16.50 doz. \$19.00 doz.**



**Fig. 97****ICE AXE****Square Pole. Philadelphia Pattern**

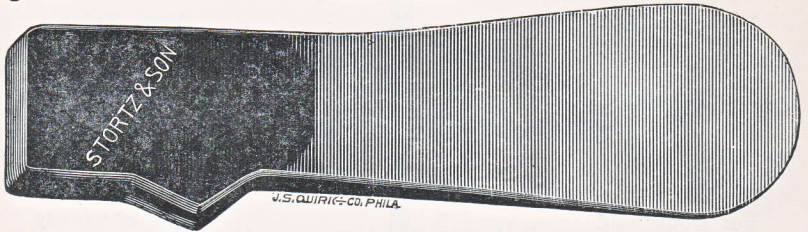
Best Quality Forged Steel.



This is a solid Steel Axe, and a very serviceable Tool for general use.

No. 0—Length of Axe,  $8\frac{1}{2}$  in., weight,  $1\frac{3}{4}$  lbs., Handle 18 in.

Price \$46.00 Per doz.

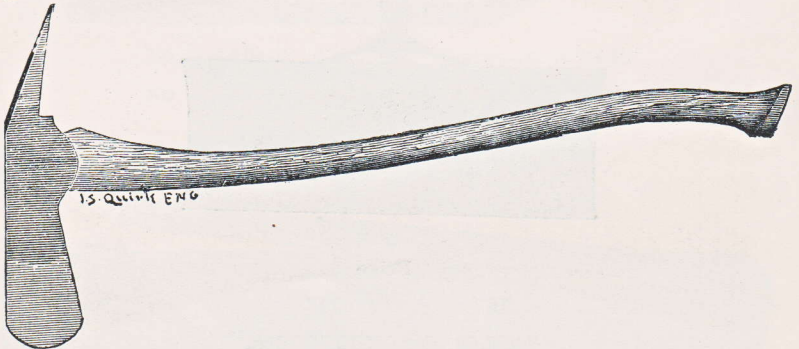
**Fig. 98****ICE AXES**

Best Quality Forged Steel. Knickerbocker Pattern.

This is an A-1 Tool suitable for Icemen, Butchers, Milkmen, etc.

No. 1—Length of Axe, 9 in., weight,  $2\frac{1}{2}$  lbs. handles 21 in., \$48.00 Per doz.

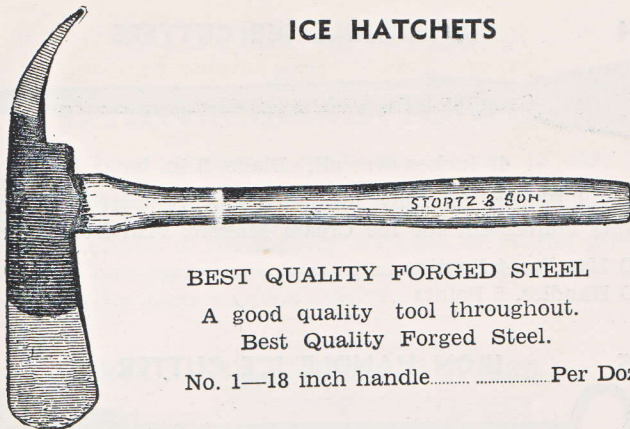
No. 2—Length of Axe 12 in., weight, 4 lbs., handles 24 in., \$54.00 Per doz.

**Fig. 99****HOOKED POLE ICE AXE**

No. 3—Weight,  $4\frac{1}{2}$  lbs. Handle 30 inches. Blade, 3 inches wide.

Price, \$84.00 Per doz.

Fig. 100

**ICE HATCHETS**

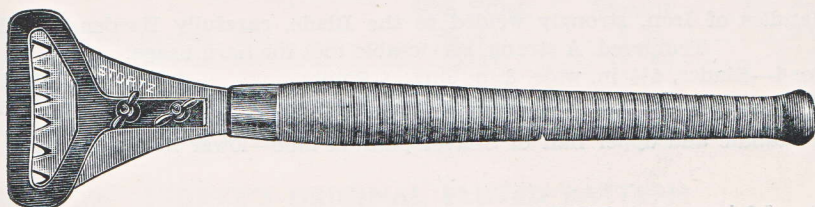
BEST QUALITY FORGED STEEL

A good quality tool throughout.

Best Quality Forged Steel.

No. 1—18 inch handle..... Per Doz. \$42.00

Fig. 101

**ICE CHISEL, WITH GAUGE  
Baltimore Pattern**

This is a particularly strong tool: Heavy Hand-Forged Blade, with Adjustable Gauge or Guard, and is made of the very best materials throughout.

Blade, 6 in. long, 6 in. wide; handle, 18 in. .... Per Doz. \$40.00

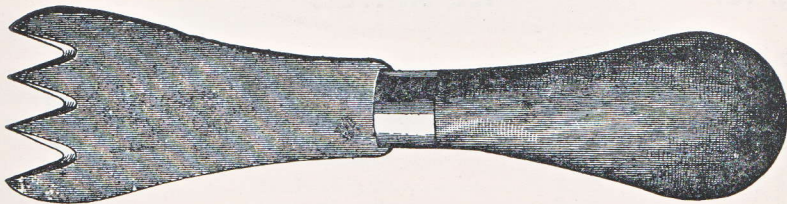
With Gauge " " 46.00

Fig. 102

**LONG HANDLE ICE CHISEL  
New York Pattern**

18 inches long, Maple Handle, Forged Steel Blades..... Per Doz. \$14.40

Fig. 103

**ICE SHAVERS**

No. 0—Polished Handle, Steel Blades ..... Per Doz. \$4.00

No. 1—Cast Steel Blades ..... " " 6.00



Fig. 104

**"D" HANDLE ICE CUTTERS**

42 inches over all. Blade, 8 in. long.

Forged Steel Blades, carefully Hardened and Tempered; Heavy Sockets, very convenient for Ice Cream Makers, Fish Dealers, etc.

No. 2—D Handles 4 Points .....	Per doz. \$36.00
No. 3—D Handles, 5 Points .....	“ “ 40.00

Fig. 105

**IRON HANDLE ICE CUTTER**

42 inches over all.

Handles of Iron, strongly welded to the Blade, carefully Hardened and Tempered. A strong, serviceable tool for hard usage.

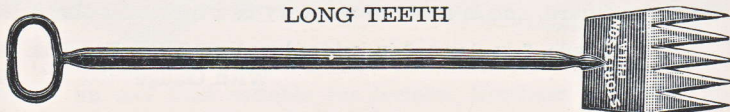
No. 4—Blades, 4½ in. wide, 8 in. long; 4 Points .....	Per doz. \$40.00
No. 5—Blades, 6 in. wide, 8 in. long; 5 Points .....	“ “ 44.00

Handle and upper half of Shaver painted blue—lower half polished

Fig. 106

**PIPE HANDLE ICE SHAVERS**

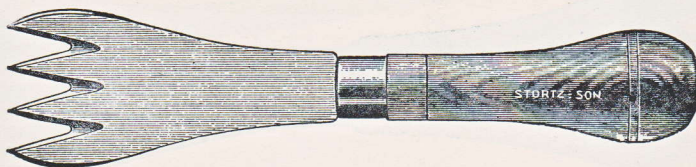
LONG TEETH



Handle and upper half of Shaver painted blue—lower half polished. Handles of iron, strongly welded to the Blade, carefully Hardened and Tempered. A strong, serviceable Tool for hard usage. Blades 8 in. long.

No. 6—4 Points .....	Per doz. \$42.00
No. 7—5 Points .....	“ “ 52.00
No. 8—6 Points .....	“ “ 60.00
No. 9—7 Points .....	“ “ 72.00

Fig. 107

**ICE SHAVERS**

No. 2—Forged Tempered Steel Blades, Polished Handle .....	Per doz. \$11.00
No. 3—Forged Tempered Steel Blades, Tangs Riveted through .....	Per doz. \$14.40

## OYSTER KNIVES AND OYSTERMEN'S TOOLS

These knives have obtained a reputation superior to any. Quality, Temper and Finish are unexcelled, and each Knife fully tested and warranted free from defects. Having a knowledge of the requirements of the trade in various sections of the country, we have, by careful attention to every detail and long experience, been able to produce a line of Oyster Knives unexcelled for their superior quality.

**Fig. 108 STORTZ'S PHILADELPHIA PATTERN**



Edges of Handles are Champfred to prevent blistering of hands.

	Size Hdles.	Weight	Per doz.
No. 1—For Family Use.....	$\frac{5}{8} \times 4\frac{3}{4}$	8 oz.	\$ 9.00
No. 2—For Cullens, Etc.....	$\frac{11}{16} \times 5\frac{1}{4}$	12 oz.	11.00
No. 3—Regular Bar Knife.....	$\frac{3}{4} \times 5\frac{1}{2}$	15 oz.	12.00
No. 3x—Regular Bar Knife.....	$\frac{11}{16} \times 5\frac{3}{4}$	17 oz.	13.00
No. 4—Large Bar Knife.....	$\frac{7}{8} \times 5\frac{3}{4}$	18 oz.	14.00

**Fig. 109 STORTZ'S ORIGINAL FLUTED PATTERN**



This Knife is in universal favor among Oystermen, the shape being such that they fit the hand comfortably, prevent slipping and blistering of the hands.

	Size Hdles.	Weight	Per doz.
No. 3—Regular Bar Knife.....	$\frac{3}{4} \times 5\frac{3}{4}$	14 oz.	\$16.00
No. 4—Large Bar Knife.....	$\frac{7}{8} \times 5\frac{3}{4}$	18 oz.	17.00

**Fig. 110 PHILADELPHIA TOOL CO. BRAND**



This is a grade of knives which will be found superior to any in the market at same prices, and is offered to the trade to meet the demand for a CHEAPER KNIFE than our famous Stortz Brands.

	Size Handles	Weight	Per Doz.
No. 0—.....	$\frac{3}{8} \times \frac{5}{8} \times 4\frac{1}{2}$ in.	7 oz.	\$ 4.50
No. 1—.....	$\frac{1}{2} \times \frac{1}{2} \times 5$ in.	8 oz.	5.00
No. 2—.....	$\frac{5}{8} \times \frac{5}{8} \times 5\frac{1}{4}$ in.	10 oz.	7.00
No. 3—.....	$\frac{3}{4} \times \frac{3}{4} \times 5\frac{1}{2}$ in.	15 oz.	9.00
No. 4—.....	$\frac{7}{8} \times \frac{7}{8} \times 5\frac{3}{4}$ in.	18 oz.	11.00



Fig. 111

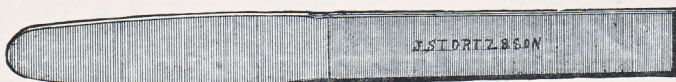
## NEW YORK PATTERN



	Size Hdles.	Weight	Per Doz.
No. 00—Baltimore Sample .....	$\frac{3}{8} \times \frac{5}{8} \times 4\frac{1}{2}$ in.....	7 oz.....	\$ 5.00
No. 0—Small Sampling .....	$\frac{1}{2} \times 4\frac{1}{2}$ in.....	8 oz.....	8.00
No. 1—Large Sampling .....	$\frac{5}{8} \times 4\frac{3}{4}$ in.....	10 oz.....	9.00
No. 2—For Family use, clams, cullens.....	$1\frac{1}{8} \times 5$ in.....	12 oz.....	11.00
No. 3—Medium .....	$\frac{3}{4} \times 5\frac{3}{4}$ in.....	15 oz.....	13.00
No. 4—Regular Bar Knife for Primes.....	$\frac{7}{8} \times 5\frac{3}{4}$ in.....	18 oz.....	14.00

Fig. 112

## REGULAR NEW YORK STYLE

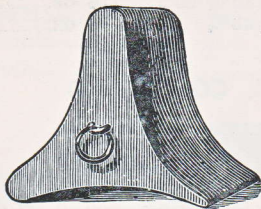


No. 5—Size about $\frac{5}{16} \times \frac{7}{8} \times 9$ in. over all. ....	Per doz. \$8.00
Full Polished Knives, per dozen, extra \$1.50 net.	

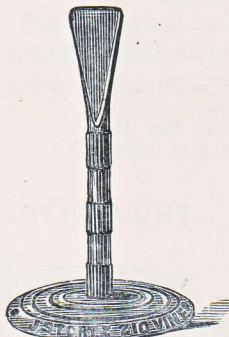
Fig. 113

## OYSTER HARDIES

Fig. 113-A



Style of Nos. 1 and 2

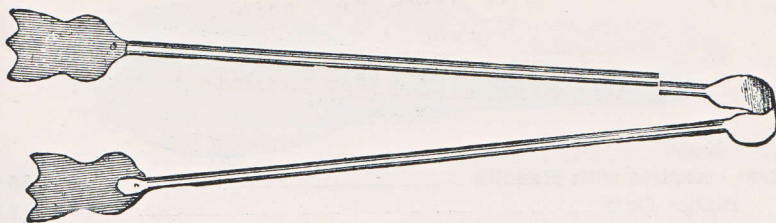


Style of Nos. 3 and 4

No. 1—Solid Triangle, light; height, $7\frac{1}{2}$ in. ....	Each \$2.00
No. 2—Solid Triangle, heavy; height, $7\frac{1}{2}$ in. ....	" 2.60
No. 3—Forged Post Hardies; height, 8 to 12 in. ....	" 3.20
No. 4—Forged Post Hardies, height, above 12 in. ....	" 3.50

Fig. 114

## CRAB TONGS



Used for Handling Live Crabs. Japanned. .... Per doz. \$12.00

Fig. 115

## SHUCKING HAMMERS



Casted Heads— $\frac{3}{4}$  to  $\frac{7}{8}$  square face; Handled ..... Per doz. \$4.00  
 Casted Heads—1 to  $1\frac{1}{8}$  square face; Handled ..... " " 4.80

## WOOD HANDLE OYSTER STABBING KNIVES

Fig. 116

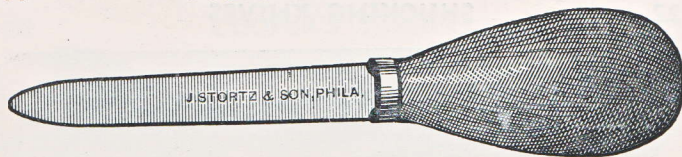
## BALTIMORE PATTERN



Knives complete with Handles ..... Per doz. \$6.00  
 Blades Only ..... " " 4.80

Fig. 117

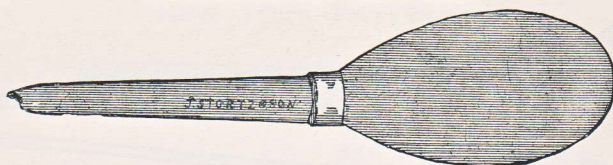
## BOSTON PATTERN



Knives complete with Handles ..... Per doz. \$6.00  
 Blades Only ..... " " 4.80

Fig. 118

## ALEXANDRIA PATTERN



Knives complete with Handles .....	Per doz. \$6.00
Blades Only .....	" " 4.80

Fig. 119

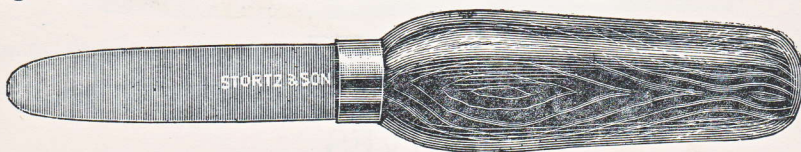
## PROVIDENCE KNIVES



Knives complete with Handles .....	Per doz. \$7.20
Blades Only .....	" " 6.00

Fig. 120

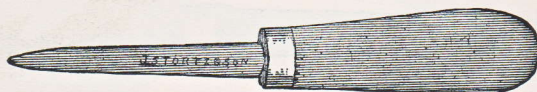
## NEW HAVEN OYSTER KNIVES



Knives complete with Handles .....	Per doz. \$7.20
Blades Only .....	" " 6.00

Fig. 121

## CRAB KNIVES



Tempered Elastic Blade; Cherry Handles; Well Finished, Neat and Handy Knife for Restaurant Use .....	Per doz. \$7.20
Blades Only .....	" " 6.00

Fig. 122

## SHUCKING KNIVES



No. 1—Knives complete with Handles .....	Per doz. \$7.20
Blades Only .....	" " 6.00



Fig. 123

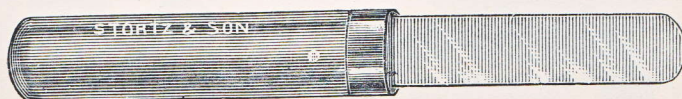
## SHUCKING KNIVES



No. 2—Knives complete with Handles ..... Per doz. \$6.50

Fig. 124

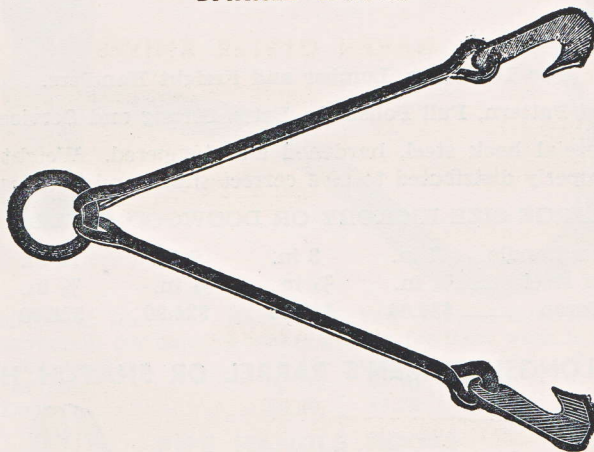
## CLAM KNIVES



No. 1—Size of Blades,  $\frac{1}{2} \times 2\frac{3}{4}$  in. .... Per doz. \$6.50  
 No. 2—Size of Blades,  $\frac{5}{8} \times 3$  in. .... " " 6.50

Fig. 125

## BARREL HOOKS



For Hoisting Barrels.

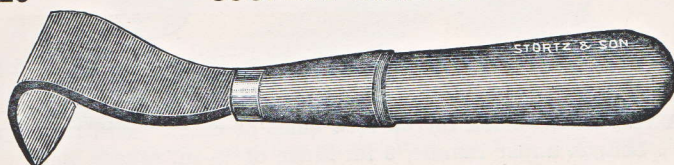
Natural Finish.

No. 1— $\frac{1}{2}$  in. Steel Arms, strong grips ..... Each \$11.00  
 No. 2—One Steel Arm, other Arm a chain with sliding grip ..... " 13.00

FOR HOISTING ON ONE OR BOTH SIDES.

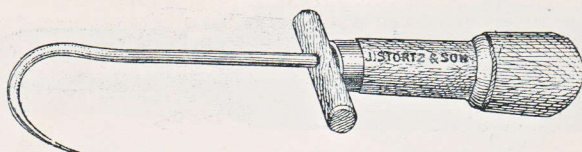
Fig. 126

## COOPER'S SCRAPER



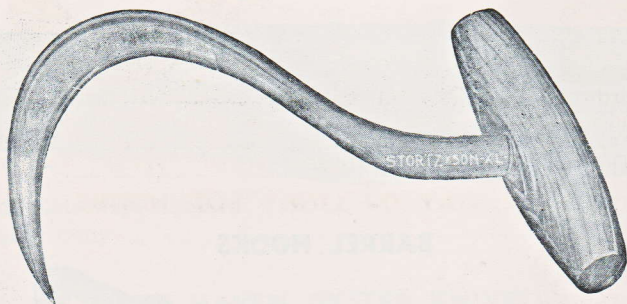
No. 2—Best quality forged steel, hardwood handles ..... Per doz. \$18.00

Fig. 127

**HAM HOOKS**

Length, under Handle, 6 inches ..... Per doz. **\$12.00**

Fig. 128

**STORTZ X-L CASE HOOKS**

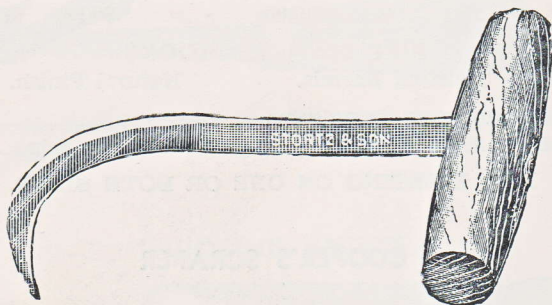
For Teamsters, Lumber and Freight Handlers.

Swelled Pattern, Full Polished. Extra Strong and Serviceable.

Made of special hook steel, hardened and tempered. Weight of metal properly distributed to give correct shape and balance.

**LARGE SIZE HICKORY OR DOGWOOD HANDLE.**

Length under handle .....	7 in.	8 in.	9 in.	10 in.	12 in.
Thickness of steel .....	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	$\frac{7}{8}$ in.
Per Dozen .....	<b>\$20.00</b>	<b>\$23.00</b>	<b>\$24.00</b>	<b>\$28.00</b>	<b>\$36.00</b>

Fig. 129 **LONGSHOREMEN'S BARREL OR SNATCH HOOK**

Special Hook, Steel, Full Polished. Large Size Hickory or Dogwood Handle.

**HARDENED AND TEMPERED POINTS.**

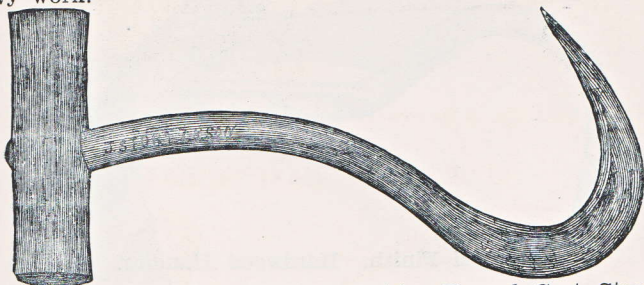
A very handy hook for barrels, bales or cases. Will not slip.

Length under handle, 9 in. Made of  $\frac{1}{2}$  in. square steel.

Per dozen **\$20.00**

**Fig. 130 HEAVY SWELLED BOX HOOKS**

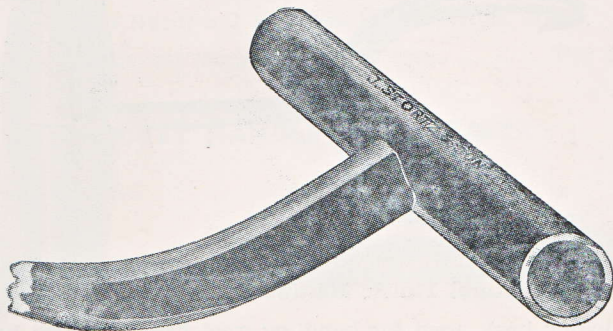
These hooks are made for handling large cases, lumber, etc. This hook having a nicely balanced swell on hook makes it handy and strong for heavy work.



	Hardwood Handles. Natural Finish.		Forged Cast Steel.				
Length under handle.....	6 in.	7 in.	8 in.	9 in.	10 in.	12 in.	
Thickness of steel .....	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	$\frac{7}{8}$ in.	
Per Dozen .....	\$9.40	\$10.80	\$12.50	\$14.50	\$18.80	\$22.00	

**Fig. 131 BALE, HAY OR LIGHT BOX HOOKS**

	Hardwood Handles. Natural Finish.		Forged Cast Steel.			
Very convenient for bales or where a hook for light work is required.						
Length under handle .....	6 in.	7 in.	8 in.	9 in.	10 in.	
Thicknss of steel .....	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{5}{8}$ in.	
Per Dozen .....	\$6.00	\$7.20	\$9.50	\$12.00	\$15.00	

**Fig. 132 PIPE HANDLE HOOKS**

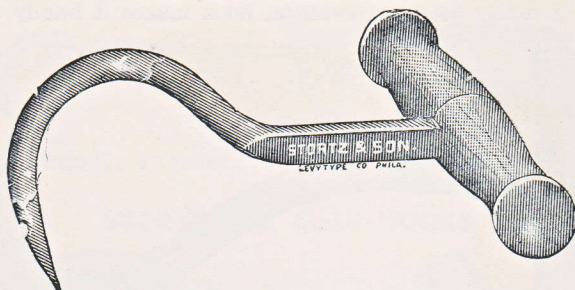
All Hooks as shown on these pages may be had with pipe handles. Unbreakable. Will not wear out.

Pipe Handles, additional Per doz. \$4.80



Fig. 133

## BEEF OR MEAT HOOKS

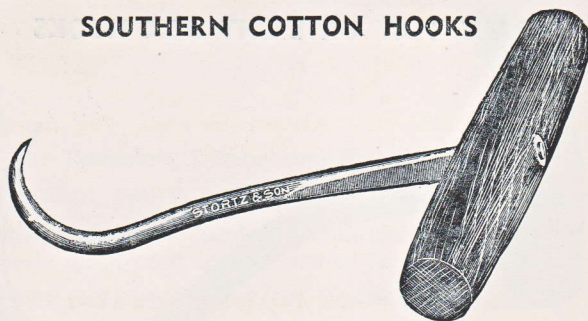


Natural Finish. Hardwood Handles.

Length under handle, 5 in., $\frac{3}{8}$ in. round steel. ....	Per doz. \$6.00
Length under handle, 6 in., $\frac{3}{8}$ in. round steel. ....	" " 6.50

Fig. 134

## SOUTHERN COTTON HOOKS

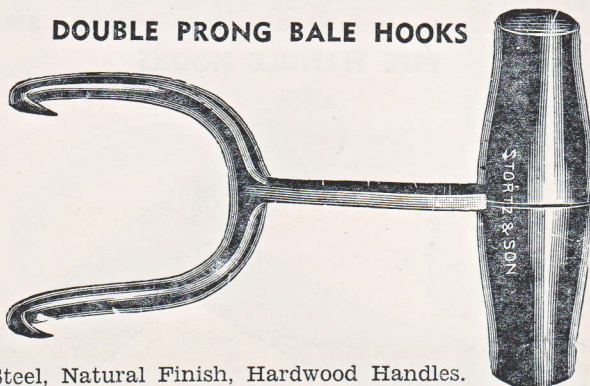


Forged Steel, Natural Finish, Hardwood Handles.

Length under handle, 7 in.; $\frac{3}{8}$ in. round steel .....	Per doz. \$7.00
Length under handle, 8 in.; $\frac{3}{8}$ in. round steel .....	" " 8.00

Fig. 135

## DOUBLE PRONG BALE HOOKS

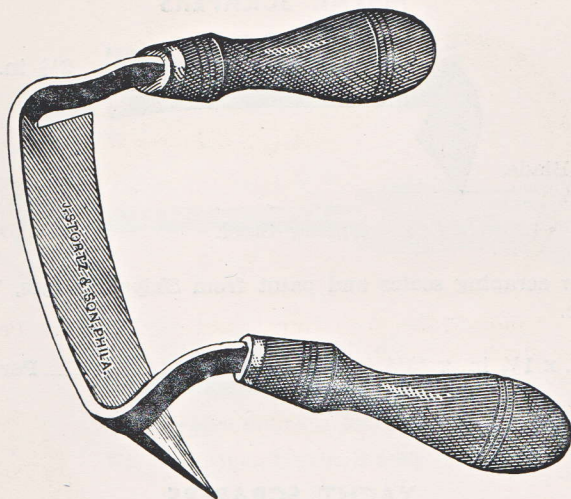


Forged Steel, Natural Finish, Hardwood Handles.

A handy hook, used for handling wool bales or baled hay.

No. 1— $\frac{3}{4}$ in. under handle; length, 5 in. ....	Per doz. \$18.00
No. 2— $1\frac{1}{2}$ in. under handle; length, 6 in. ....	" " 18.00

Fig. 136

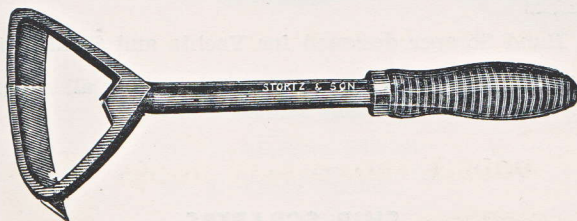
**DOUBLE HANDLE BOX SCRAPER**

This scraper is forged from best crucible steel. The tangs run through hardwood handles and are strongly riveted.

Unexcelled for service.

No. 1—Length of blade, 5 in. .... Per doz. \$22.00

Fig. 137

**SINGLE HANDLE BOX SCRAPER**

Riveted Hardwood Handles, Best Crucible Steel.

No. 3—Polished blade, oil tempered .... Per doz. \$27.00

Fig. 138

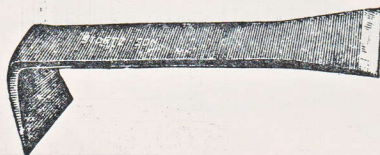
**SOCKET HANDLE BOX SCRAPER**

No. 4—Extra Quality. For Barrels, Casks, Coopers' use, etc. Per doz. \$30.00

Fig. 139

## METAL SCRAPERS

2 in. Blade.



2½ in. Blade.

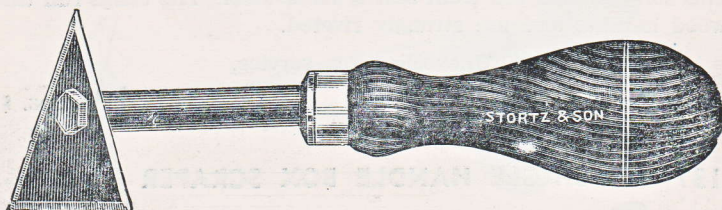
Spring Steel.

Used for scraping scales and paint from Ships, Bridges, Tanks, Fire Escapes, etc.

No. 1— $\frac{5}{16}$  in. x  $1\frac{1}{4}$  in. x  $10\frac{1}{2}$  in. .... Per doz. \$14.40

Fig. 140

## YACHT SCRAPERS



Fine Hand Scraper designed for Yachts and Small Boats.

Tempered  $3\frac{1}{2}$  in. Blades, Cherry Handles,  $9\frac{1}{2}$  in. over all..... Per doz. \$8.00

Fig. 141

## SHIP SCRAPERS



Solid Shank. All Blades are fastened by Octagon Nuts. Hardwood Handles.

No. 8— $\frac{3}{16}$  in. thick, 5 in. cut ..... Per doz. \$24.00

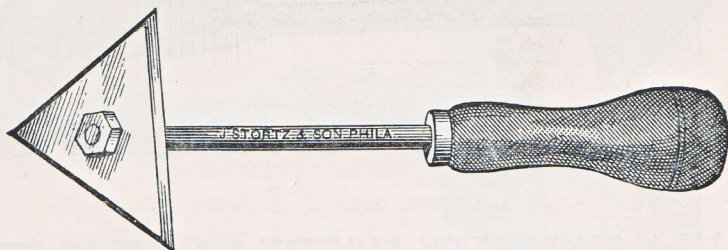
No. 9— $\frac{1}{8}$  in. thick, 5 in. cut ..... " " 20.00



## PAINTERS' TOOLS

Fig. 142

### SCRAPERS, TRIANGULAR



9 Inches Over All.

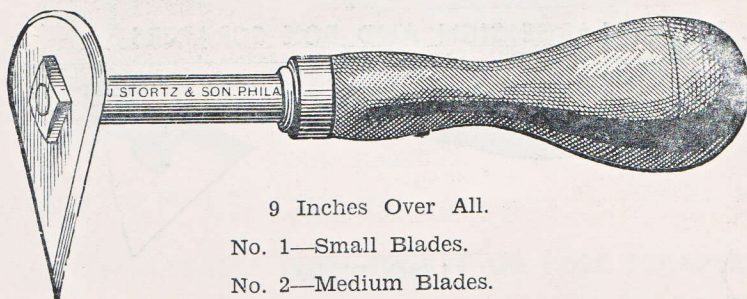
No. 1—Small, 2-inch Blades.

No. 2—Medium, 2½ inch Blades.

No. 3—Large, 3-inch Blades.

Fig. 143

### O. G. OR OVAL BLADES



9 Inches Over All.

No. 1—Small Blades.

No. 2—Medium Blades.

No. 3—Large Blades.

Fig. 144

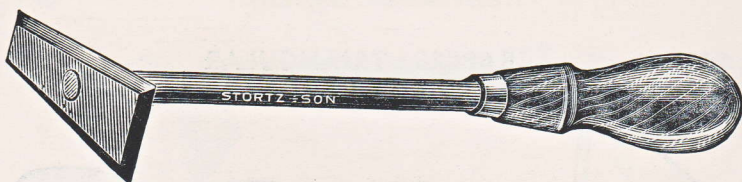
### HALF OVAL BLADES



9 Inches Over All.

Medium Size.

ALL SCRAPERS ..... Per doz. \$7.00

**Fig. 145 FILLET OR PANEL SCRAPERS**

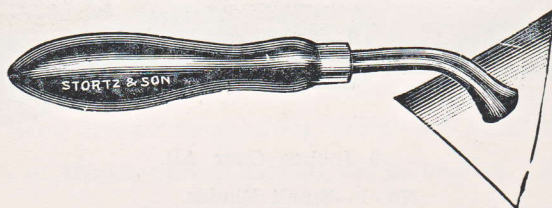
9 Inches Over All. Assorted. .... Per doz. \$7.00

**Fig. 145-A COMBINATION PAINTERS' SCRAPERS IN SETS**

Consisting of one handle with removable nut and one each, Triangle Oval and panel Shape Blades. Packed one set in a box.

9½ Inches Over All.

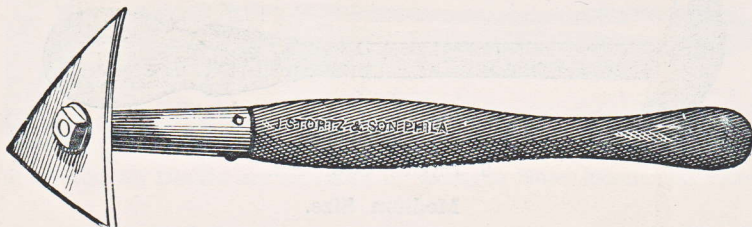
Combines Fillet, Oval and Triangle Blades in one. .... Per doz. sets \$15.00

**Fig. 146 LARGE SIGN AND BOX SCRAPERS**

4-inch Blades.

No. 5—Triangle Blades; Straight Shank. .... Per doz. \$18.00

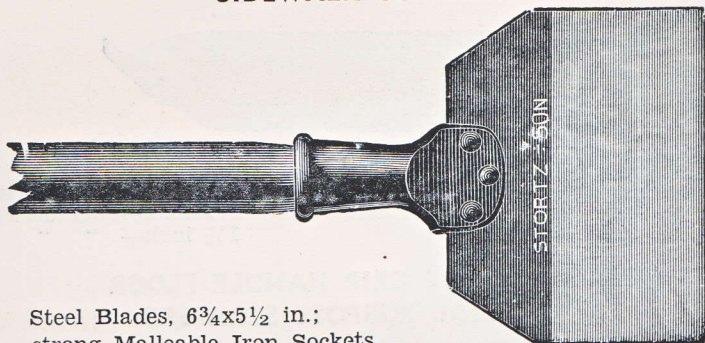
No. 6—Triangle Blades; Bent Shank. .... " " 18.00

**Fig. 147 LARGE SIGN AND SHIP SCRAPERS**

Triangle Blades, 5-inch edge. .... Per doz. \$20.00



**Fig. 148 LONG HANDLE WALL, FLOOR AND  
SIDEWALK SCRAPERS**



Steel Blades,  $6\frac{3}{4} \times 5\frac{1}{2}$  in.;  
strong Malleable Iron Sockets,  
 $4\frac{1}{2}$  ft. Ash Handles. .... Per doz. \$13.00

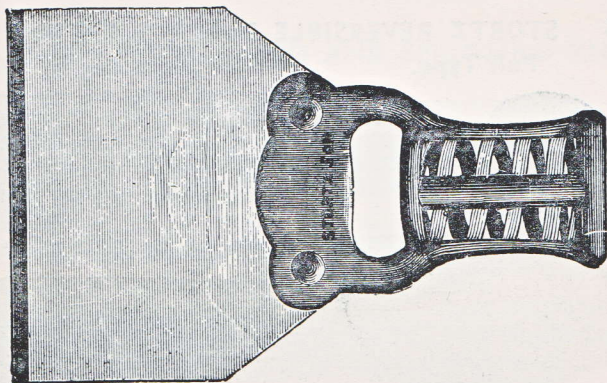
**Fig. 149 WALL SCRAPERS**



WOOD HANDLES.

Best Quality Saw Steel,  $3\frac{1}{2}$  inches wide. .... Per doz. \$2.50

**Fig. 150 MALLEABLE IRON SOCKET OR POLE SCRAPERS**  
SCREW THREAD INSIDE.



Steel Blades, 3,  $3\frac{1}{2}$ , 4,  $4\frac{1}{2}$  inches. .... Per doz. \$7.00

## FLOOR SCRAPERS

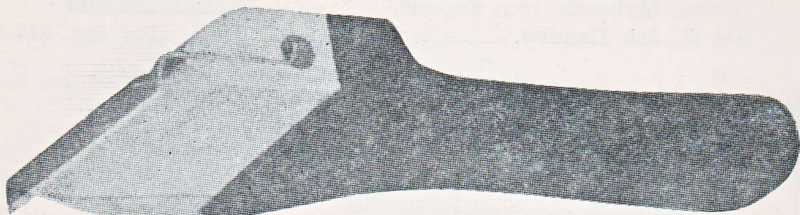
**Fig. 151 SINGLE EDGE SCRAPERS—1" and 1½"**



For general purpose use, household furniture and small work.  
High Carbon Tool Steel Blades, ground and honed, hardwood handles  
finished in solid color.

1 inch— Per doz. \$1.50  
1½ inch— “ “ 2.50

**Fig. 152 DOUBLE BLADE GRIP HANDLE FLOOR  
& GENERAL PURPOSE SCRAPERS**



High carbon tool, steel blade, carefully hardened and tempered. Can  
be reversed by sliding blade through the handle. Handles are of two-tone  
hardwood, varnished. Length over all 7½ inches. Width of blade 2½  
inches.

Price \$5.00 per doz.

**Fig. 153**



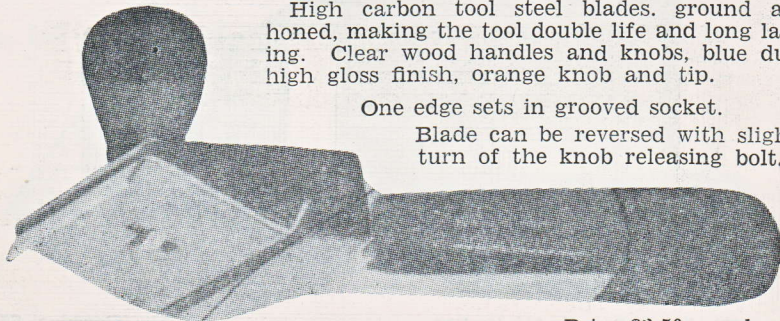
Packed 1 Dozen in a Box—Price \$5.50 per doz.

**Fig. 154 STORTZ REVERSIBLE FLOOR SCRAPER**  
**Pull Type. Two Sharp Edges.**

High carbon tool steel blades, ground and  
honed, making the tool double life and long last-  
ing. Clear wood handles and knobs, blue duco  
high gloss finish, orange knob and tip.

One edge sets in grooved socket.

Blade can be reversed with slight  
turn of the knob releasing bolt.

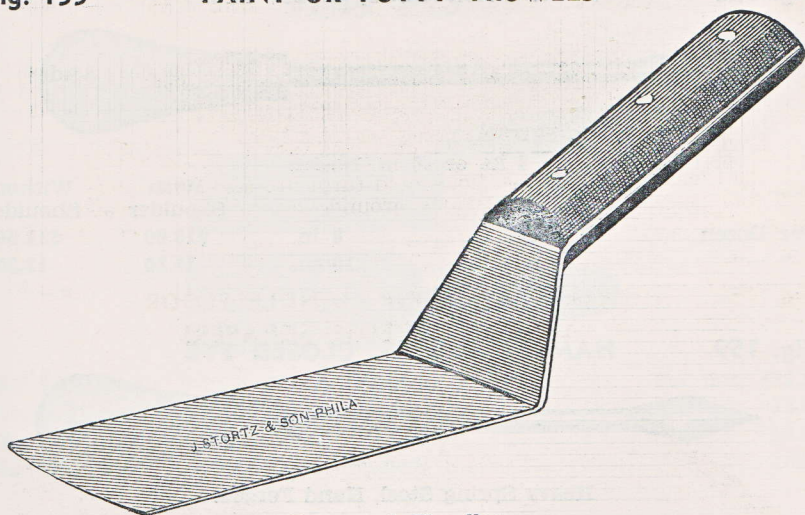


Price \$8.50 per doz.



Fig. 155

## PAINT OR PUTTY TROWELS



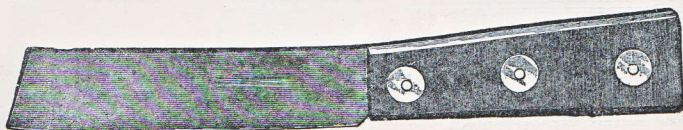
Rosewood Handles.

Blades  $6\frac{1}{2} \times 3$  inches; Full Polished. .... Per doz. \$60.00

SPECIAL SIZES TO ORDER

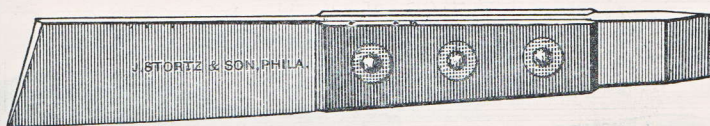
Fig. 156

## HACKING KNIVES



Best Forged Steel Blades, Leather Handles. .... Per doz. \$16.00

Fig. 157 IMPROVED HACKING AND SPRIGGING KNIVES



We here introduce a **Combination Tool** which has improvements and advantages that make it one of the most practical Painters' Tools ever invented. It combines a Hacking Blade with a Sprig Driver and Chisel. The Tool is made of the Best Quality Steel, all edges well tempered, and the Chisel can be used for cutting or prying and driving sprig with more facility than the separate tools.

Per doz. \$21.00

Fig. 158

## HAM STRINGERS, OPEN EYE



8 in. or 10 in. Blades

		With Shoulder	Without Shoulder
Per Dozen	8 in.	\$13.00	\$11.50
" "	10 in.	14.20	12.30

Fig. 159

## HAM STRINGERS, CLOSED EYE



Heavy Spring Steel, Hand Forged.

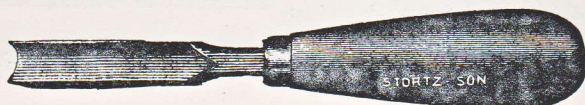
Forged and Tempered with or without Shoulder or Bolster in front of Handle. Neat Red Polished Handles. Tangs Riveted through Handles.

8 in. or 10 in. long.

		With Shoulder	Without Shoulder
Per Dozen	8 in.	\$13.00	\$11.60
" "	10 in.	14.60	12.60

Fig. 160

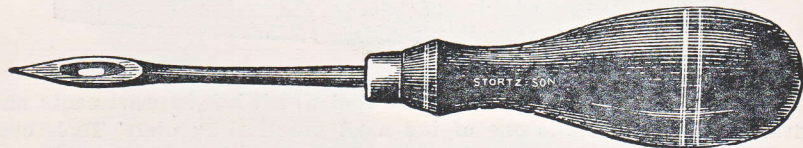
## BONE GOUGES



For Boning Hams. Blade 1 in. to 1 1/4 in. wide. Per doz. \$20.00

Fig. 161

## ROAST BEEF STRINGERS



Heavy Spring Steel, Hand Forged.

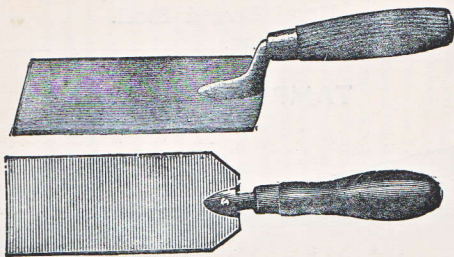
10 in. Blade.

		With Shoulder	Without Shoulder
Per Dozen	10 in.	\$17.00	\$13.00



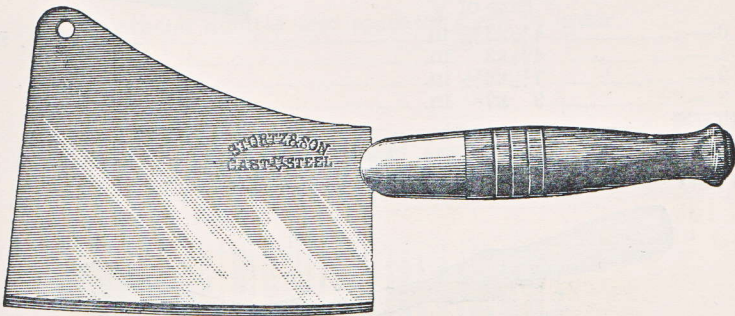
Fig. 162 BUTTER, LARD OR PUTTY TROWELS  
AND SPADES

ICE CREAM MOULD FILLERS



No. 1—Trowels, 6-inch Blades, Tinned. ....	Per doz. \$13.20
No. 2—Trowels, 8-inch Blades, Tinned. ....	“ “ 15.20
No. 3—Spades, 6-inch Blades, Tinned. ....	“ “ 13.20
No. 4—Spades, 8-inch Blades, Tinned. ....	“ “ 15.20

Fig. 163 FAMILY CHOPPERS



Best Crucible Steel.

This is unquestionably the cleanest, neatest and best finished Chopper in the market, every blade tested and fully guaranteed to hold fast in the handle.

No. 1—7 inches .....	Per doz. \$16.00
----------------------	------------------

Fig. 164 FULLER NEEDLES

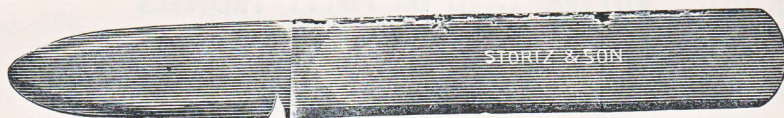


Made of Special Oil Tempered Spring Steel. Hard Red Wood Handles, with or without Bolster or Shoulder in front of Handle.

Size .....	8 in.	10 in.	12 in.
Per dozen .....	\$13.00	\$15.00	\$18.00

Fig. 165

## CIGAR BOX OPENER

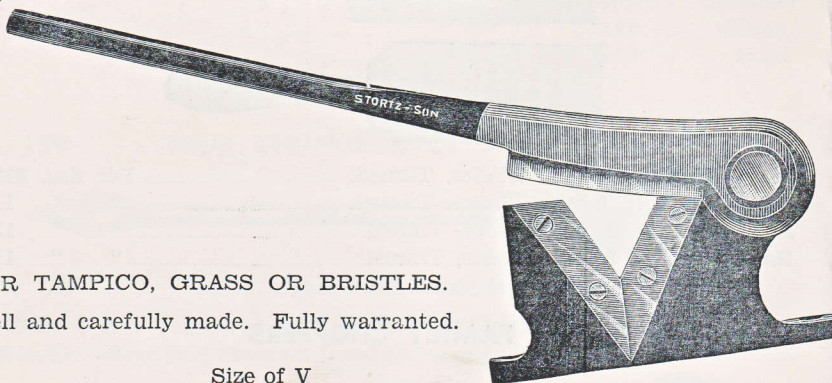


Hand Forged Steel.

No. 4—Wide Blade;  $\frac{3}{16} \times 7\frac{7}{8} \times 6$  in. long. .... Per doz. \$8.00

Fig. 166

## TAMPICO SHEARS



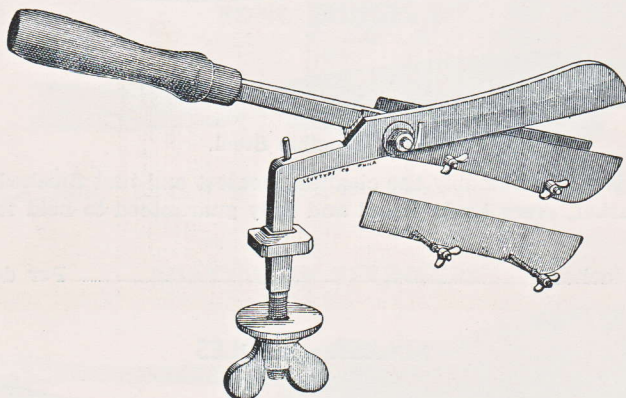
FOR TAMPICO, GRASS OR BRISTLES.

Well and carefully made. Fully warranted.

	Size of V	
No. 0.—	$4\frac{1}{2} \times 3\frac{1}{2}$ in.	.....each, \$57.00
No. 1.—	$4\frac{3}{4} \times 3$ in.	.....“ 68.00
No. 2.—	$7\frac{1}{2} \times 6\frac{1}{2}$ in.	.....“ 72.00
No. 3.—	9 x 7 in.	.....“ 84.00
GAUGES		.....“ 10.00

Fig. 167

## BRUSH MAKERS' SHEARS

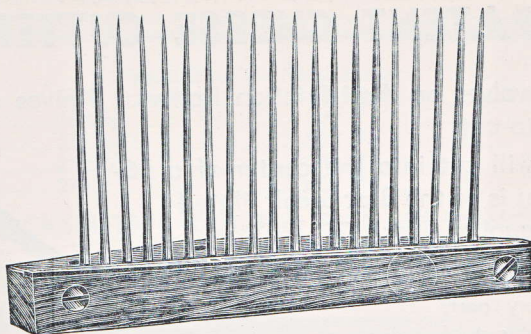


These Shears are made of a SUPERIOR QUALITY STEEL, and each pair fully warranted. Special sizes to order.

10 inch cutting edge	.....each, \$64.00
12 inch cutting edge	.....“ 68.00
Gauges, extra	.....“ 7.00

The Gauges are made of Steel and have two adjustable nuts, so that they can be set to cut any length of Bristle without loss of time.

Fig. 168

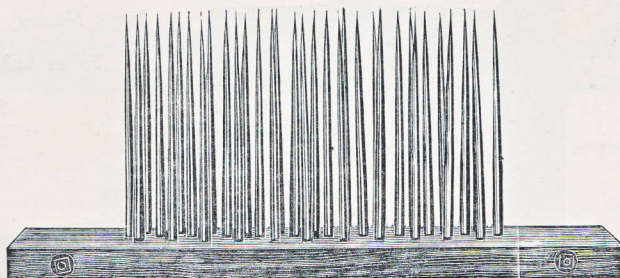
**BRUSHMAKERS' COMBS**

EXTRA CAST STEEL, SPRING TEMPERED TEETH.

18 Teeth  $\frac{1}{2}$  in. apart .....each \$24.00

Special number and space of teeth to order.

Fig. 169

**BRUSHMAKERS' HACKEL**

35 HACKEL TEETH IN 3 ROWS.

Teeth Carefully Hardened and Tempered .....each, \$28.00

**SPECIAL SHEARS, KNIVES & TOOLS FOR BRUSH MAKERS MADE  
TO ORDER.**



# THE STORTZ PATENT CHEESE CUTTER

Table Revolves on Anti-Friction Rollers. Knives always up and ready to cut.

The Knife will cut into the center of a 36-inch Cheese; is of the Best Steel, Plated with First quality Block Tin.

The Machine is well built and strong in every part; nothing to get out of Order.

Will Last a Lifetime.

**Fig. 170**

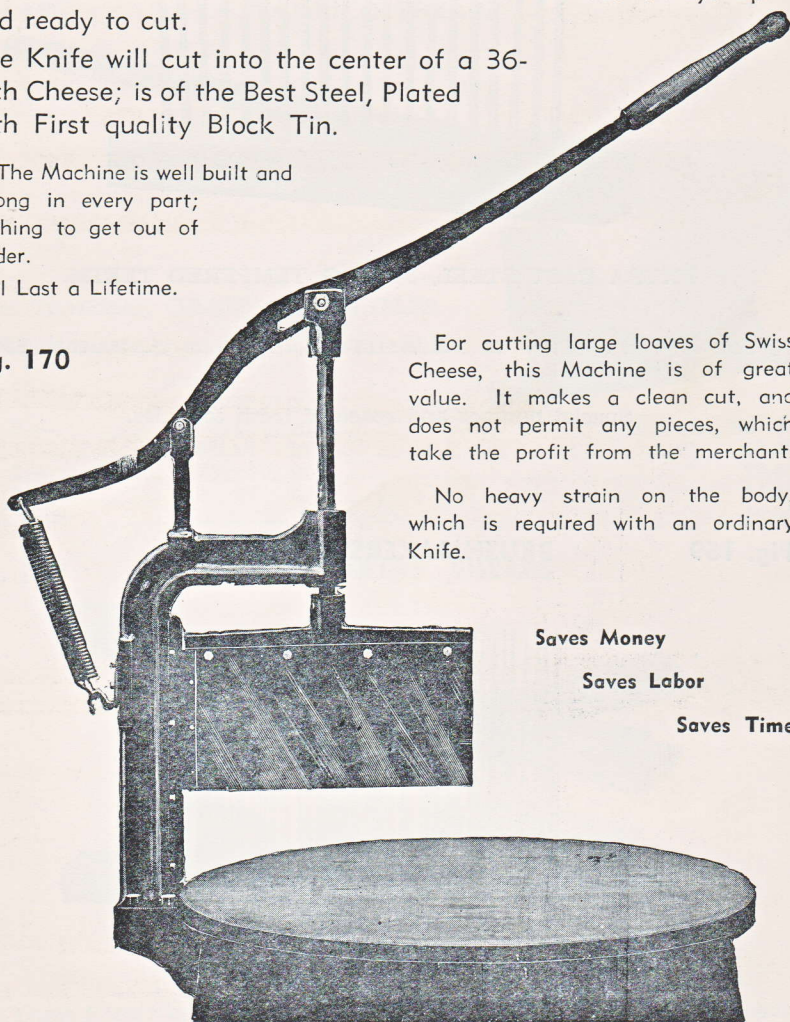
For cutting large loaves of Swiss Cheese, this Machine is of great value. It makes a clean cut, and does not permit any pieces, which take the profit from the merchant.

No heavy strain on the body, which is required with an ordinary Knife.

**Saves Money**

**Saves Labor**

**Saves Time**



**Price, \$250.00**

# BLACKSMITH TOOLS

Fig. 171

## BLACKSMITH'S TONGS



Straight Lip To Hold Flats.

No. 71B	16x0	Inch	30	Lbs.	Per doz.	\$45.00
" 71C	18x $\frac{1}{4}$	"	32	"	" "	46.00
" 71D	20x $\frac{1}{2}$	"	33	"	" "	47.00
" 71E	22x $\frac{3}{4}$	"	36	"	" "	48.00
" 71F	24x1	"	40	"	" "	49.00

Fig. 172 BLACKSMITH'S DOUBLE PICK-UP TONGS



For Hot Metal

No. 72A	20	Inch	17	Lbs.	Per doz.	\$52.00
" 72C	24	"	21	"	" "	54.00

Fig. 173 BLACKSMITH'S SINGLE PICK-UP TONGS



For Hot Metal

No. 72S	20	Inch	17	Lbs.	Per doz.	\$52.00
" 72SA	24	"	21	"	" "	54.00

Fig. 174 BLACKSMITH'S CURVED LIP FLUTED JAW TONGS



To Hold Bolts or Rounds

No. 74	18x $\frac{1}{4}$	Inch	31	Lbs.	Per doz.	\$48.00
" 74A	20x $\frac{1}{2}$	"	33	"	" "	49.00
" 74B	22x $\frac{3}{4}$	"	36	"	" "	50.00
" 74C	24x1	"	40	"	" "	51.00
" 74D	26x1 $\frac{1}{4}$	"	42	"	" "	52.00

Fig. 175 BLACKSMITH'S RIVET TONGS



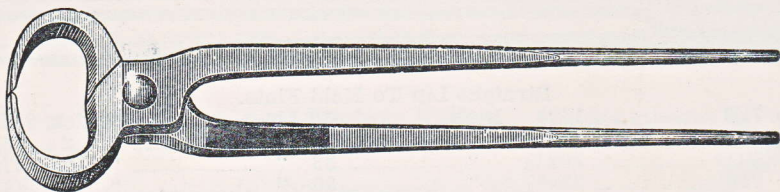
No. 77	18	Inch	18	Lbs.	Per doz.	\$55.00
" 77A	20	"	21	"	" "	57.00
" 77B	22	"	24	"	" "	59.00
" 77C	24	"	42	"	" "	63.00

Tongs with larger or smaller opening in jaws not specified above take extra price.



Fig. 176

## FARRIER'S PINCER

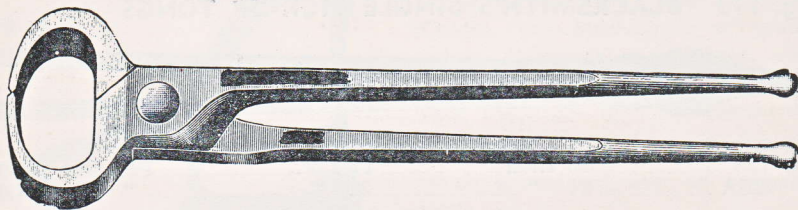


$\frac{1}{2}$  dozen in box.

No. 21	12 Inch	23 Lbs.	Per doz. \$42.00
" 21A	10 "	15 "	" " 36.00

Fig. 177

## FARRIER'S PINCER

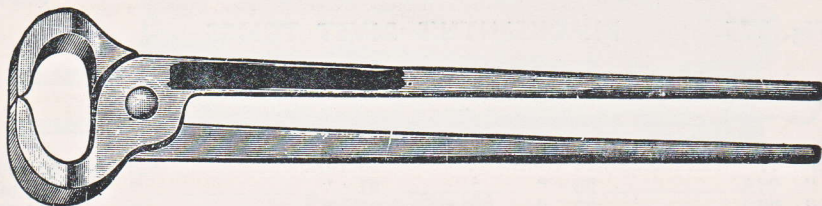


$\frac{1}{4}$  dozen in box.

No. 20A	16 Inch	40 Lbs.	Per doz. \$70.00
" 20	14J-1-C Inch	35 "	" " 62.00
" 20B	13 Inch	31 "	" " 58.00

Fig. 178

## HARDWARE PINCER



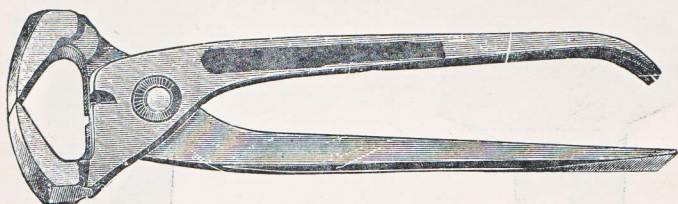
$\frac{1}{2}$  dozen in box.

No. 110	12 Inch	Per doz. \$24.00
---------	---------	------------------



Fig. 179

## CARPENTER'S PINCER



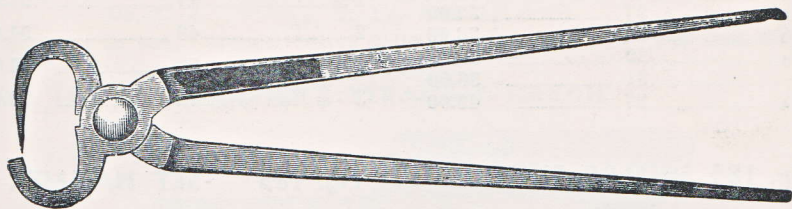
With Hammer Jaws, Claws, Screw Driver and Wire Cutter.

$\frac{1}{2}$  dozen in box.

No. 46	12 Inch	16 Lbs.	Per doz.	\$22.00
" 47	10 "	14 "	" "	20.00
" 48	8 "	11 "	" "	18.00
" 49	6 "	9 "	" "	16.00

Fig. 180

## HOOF PARER

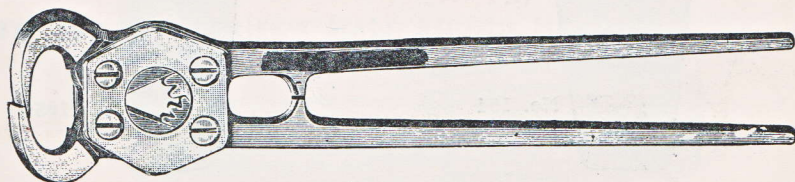


$\frac{1}{2}$  dozen in box.

No. 23	14 Inch	28 Lbs.	Per doz.	\$66.00
No. 23A	12 "	20 "	" "	60.00

Fig. 181

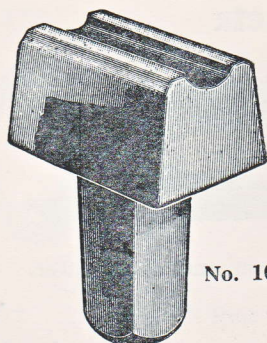
## 14-INCH EASY CUTTING PARER



This patented Compound Tool is just what its name indicates. The easiest cutting Parer on the market.

1 in box. Weight about  $2\frac{3}{4}$  lbs. Per doz. \$130.00

All parts of these tools are replaceable and easy of adjustment.

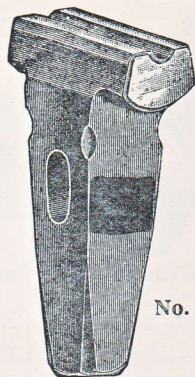
**Fig. 182 BOTTOM SWAGE****No. 100**

Shank for 1-Inch Anvil Hole

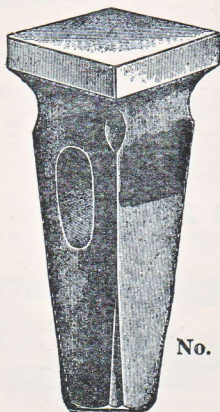
Shanks larger than 1 inch, double list price.

Smaller than 7/8-inch, advance one-third on list price.

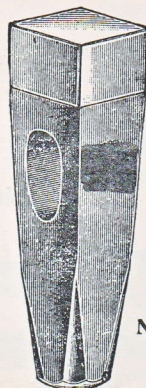
Size Inch	Pounds	Per Doz.
1/4 .....	24 .....	\$30.00
3/8 .....	25 .....	30.00
1/2 .....	26 .....	30.00
5/8 .....	27 .....	32.00
3/4 .....	28 .....	36.00
7/8 .....	30 .....	36.00
1 .....	31 .....	36.00
1 1/4 .....	37 .....	46.00

**Fig. 183 TOP SWAGE****No. 101**

Size Inch	Pounds	Per Doz.
1 1/2 .....	43 .....	\$49.00
1 3/4 .....	47 .....	54.00
2 .....	49 .....	54.00
2 1/2 .....	62 .....	68.00
3 .....	72 .....	78.00

**Fig. 184 SQUARE FLATTER****No. 104**

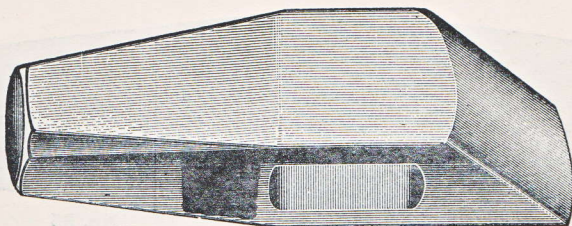
Size Inch	Pounds	Per Doz.
2 .....	26 .....	\$36.00
2 1/2 .....	42 .....	46.00
3 .....	66 .....	58.00
3 1/2 .....	76 .....	86.00
4 .....	96 .....	106.00

**Fig. 185 SET HAMMER****No. 105**

Size Inch	Pounds	Per Doz.
1 1/4 .....	27 .....	\$30.00
1 1/2 .....	36 .....	38.00
1 3/4 .....	48 .....	48.00



Fig. 186

**CREASING FULLER**No. 33       $\frac{7}{8}$ , 1 and  $1\frac{1}{8}$  inch.

1 dozen in box. Weight about 6 lbs. .... Per doz. \$30.00

Fig. 187

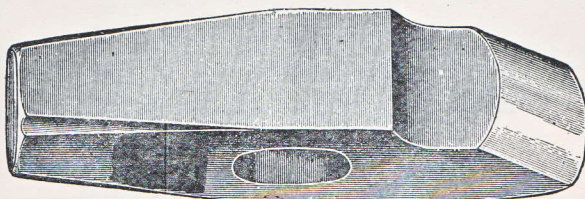
**SCOTCH PATTERN CREASING FULLER**No. 33-A       $\frac{7}{8}$ , 1,  $1\frac{1}{8}$  and  $1\frac{1}{4}$ -inch $\frac{1}{2}$  dozen in box. Weight about 6 lbs. .... Per doz. \$52.00

Fig. 188

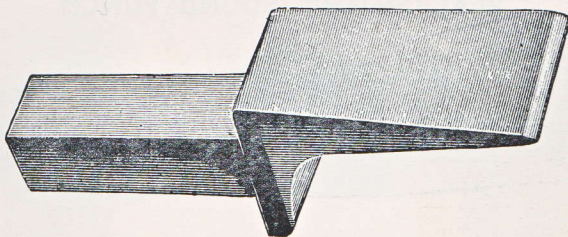
**FARRIER'S STRAIGHT HARDIE**No. 31       $\frac{7}{8}$ , 1,  $1\frac{1}{8}$  and  $1\frac{1}{4}$ -inch Shanks $\frac{1}{2}$  dozen in box. Weight about 9 lbs. .... Per doz. \$30.00

Fig. 189

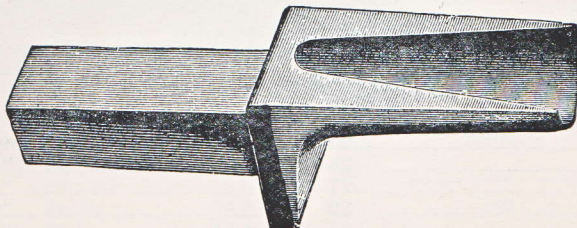
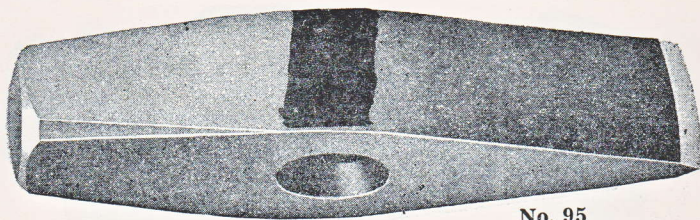
**FARRIER'S HALF ROUND HARDIE**No. 32       $\frac{7}{8}$ , 1,  $1\frac{1}{8}$  and  $1\frac{1}{4}$ -inch Shanks $\frac{1}{2}$  dozen in box. Weight about 9 lbs. .... Per doz. \$48.00

Fig. 190

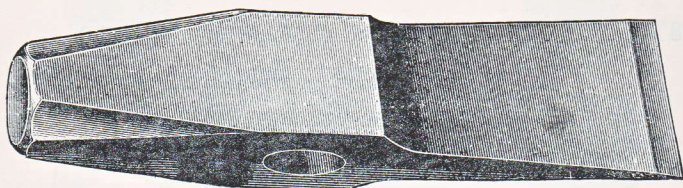
## BLACKSMITH'S COLD CHISEL



No. 95

Fig. 191

## BLACKSMITH'S HOT CHISEL

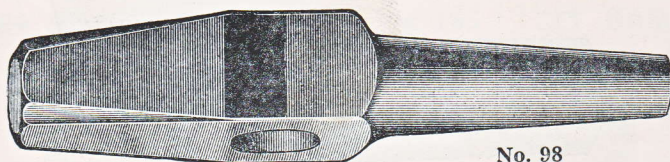


No. 96

Size	Length	Cutting Edge	Pounds	Per doz.
1 1/4	6 5/8	1 1/4	24	\$24.00
1 3/8	6 5/8	1 3/8	30	30.00
1 1/2	7	1 1/2	36	38.00
1 3/4	7 1/2	1 3/4	48	54.00

Fig. 192

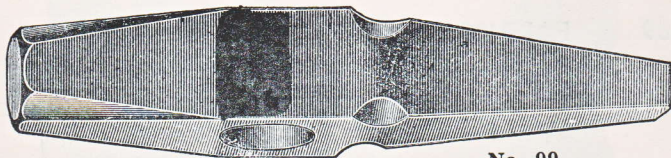
## BLACKSMITH'S ROUND PUNCH



No. 98

Fig. 193

## BLACKSMITH'S SQUARE PUNCH



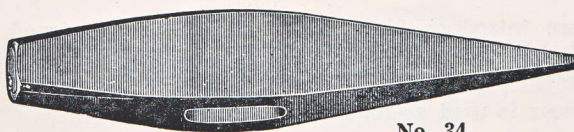
No. 99

Inch		lbs.		Per doz.	\$27.00
1/4		21		" "	27.00
3/8		23		" "	27.00
1/2		27		" "	36.00
5/8		30		" "	38.00
3/4		31		" "	42.00
7/8		34		" "	46.00
1		35		" "	



Fig. 194

## FORE PUNCH



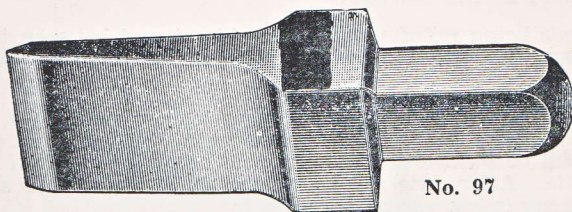
No. 34

4 1/4 inches long.

1 dozen in box. Weight about 5 lbs. Per doz. \$15.00

Fig. 195

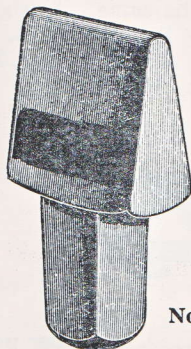
## BLACKSMITH'S STRAIGHT HARDIES



No. 97

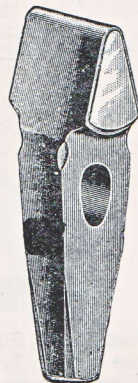
3/4 Inch	12 lbs.	Per doz.	\$18.00
7/8 " "	15 " "	" "	20.00
1 " "	18 " "	" "	24.00
1 1/8 " "	21 " "	" "	31.00
1 1/4 " "	24 " "	" "	34.00

Fig. 196 BOTTOM FULLER



No. 102

Fig. 197 TOP FULLER



No. 103

Shank for 1-Inch Anvil Hole

Shanks larger than 1 inch double list price.

Smaller than 7/8-inch advance one-third on list price.

Size Inch	Pounds	Per Doz.
3/8	25	\$38.00
1/2	27	38.00
3/4	31	38.00
1	36	44.00
1 1/4	38	50.00
1 1/2	43	60.00

Size Inch	Pounds	Per Doz.
1 3/4	45	\$62.00
2	48	64.00

## LOOM SHEARS

We here introduce improvements in Shears designed for cutting Fringe, Upholstery, Ladies' Dress Trimmings, etc., while on the loom. The following cuts illustrate the patterns in most common use.

The Shear is used as follows:

On the small Shears the bottom blade is fastened to the breast beam of the loom, through the slot shown, as in Shear, No. 1; this slot allows for adjusting the Shear, the points are facing inwards; the upper blade is fastened by a strong cord to the lathe of the loom, and thus makes a cut with each movement of the same; a spring attached as in Shear, No. 6, opens the Shear again, and thus the Shear continues to work automatically as a part of the machine.

The goods being rolled up, are pulled past and between the edges of the Shear, and are cut to any length, depending on the position of the Shear.

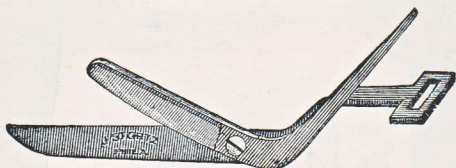
The long Shears, intended for cutting loop woven fringe, is fastened through the slot of the hinge, which hinge gives the long arm of the shear play, so it will be pushed up or down, and not interfere with the passage of the shuttle. After once set, the Shear needs no further attention, as there is nothing to get out of order on it.

There are no more wearing parts than on an ordinary scissors, and they can be kept sharp under ordinary usage for at least six months, as the Shear cuts only on an eighth of an inch of blade at one time; when this point is dull the cord is shortened, and the Shear cuts at another point which is still sharp, and so on until the whole Shear is dull.

We have made over 10,000 Shears, and having them in constant use, they give entire satisfaction, and we feel sure that all Passementerie manufacturers will find it to their advantage to use the same. A trial will be convincing, as the time and labor of cutting by hand is saved, and the work done more satisfactorily.

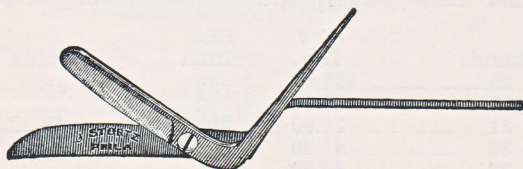
Fig. 198

### LOOM SCISSORS



- |   |                  |
|---|------------------|
| No. 1.—Offset Blade, Price .....  | per pair, \$5.50 |
| No. 3.—Same as No. 1, but blade without offset, making cutting edge on line with back of scissors. .... | “ “ 5.50         |

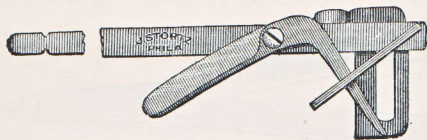
Fig. 199



- |                    |        |
|--------------------|--------|
| No. 2.—Price ..... | \$5.50 |
|--------------------|--------|



Fig. 200

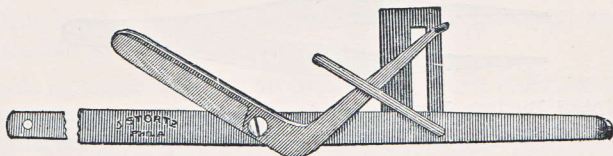
**LOOM SHEARS.—Continued.**

No. 4.—This Shear is made right and left, and is intended for Loop Fringes.

The above cut represents a left-hand Shear.

Price, each ..... \$7.00

Fig. 201

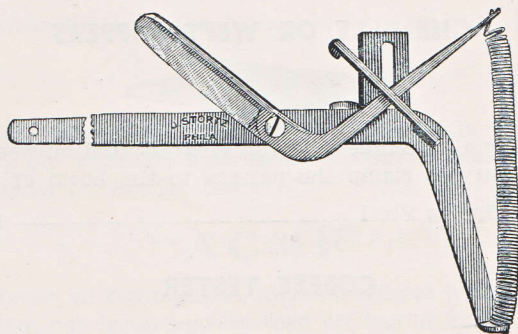


No. 5.—Same as No. 4; made right and left.

The above cut represents a right-hand Shear.

Price, each ..... \$7.00

Fig. 202



No. 6.—Same as No. 5, right or left.

The above cut represents a right-hand Shear.

Price, each ..... \$7.00

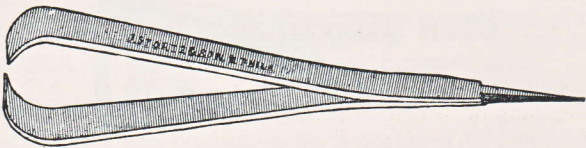
When ordering, please state whether right or left is wanted.

**SPECIAL PATTERNS MADE TO ORDER.**

Loom Shears and all other Shears and Knife Blades made to order,  
Ground and Repaired.

Fig. 203

BURLING IRONS



- No. 1.—Burling Nippers, with Needle Points ..... per doz. \$10.00  
No. 2.—Burling Nippers, without Needle Points ..... “ “ 10.00

Fig. 204



- No. 3.—Pointed Burling Irons ..... per doz. \$9.50

Fig. 205

BURLING IRONS



- No. 4.—Pointed Burling Irons, with needle point ..... per doz. \$9.50

Fig. 206

CHENILLE OR WEFT NIPPERS

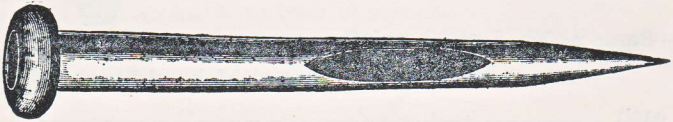


In general use by all Chenille and Rug Weavers, and all weaving where it is necessary to clamp the pattern to the Loom or Warp.

- Best Tempered Spring Steel ..... per doz. \$9.60

Fig. 207

COFFEE TESTER



Made of Tool Steel, with Solid Points and Brass Top.

- |                       |           |        |         |
|-----------------------|-----------|--------|---------|
| Highly Polished ..... | per doz., | 9 inch | 12 inch |
| Nickeled .....        | “ “       | .....  | .....   |

Price on application.



## CEMENT WORKERS' TOOLS IN BRONZE AND IRON

We present this, our line of the J. Stortz & Son, Inc., None Better; also Acme Brands of Cement Workers' Tools, confident of manufacturing the most complete line of these tools in the United States. We wish to state that our tools are made with care in every particular, and refer with pride to our reputation as manufacturers of edge tools for the past eighty-five years.

They are of two grades—Bronze and Iron. The Bronze Tools are made of hard bronze of a composition insuring the best wearing qualities and greatest toughness, and will not rust, as it stands exposure and moisture.

The Iron Tools are made of clean, hard gray iron, and are therefore very serviceable as well as economical.

All tools as listed may be had in bronze. When ordering bronze tools use the first uneven number below the iron tool number. For example, if you are ordering a jointer the same as Tool No. 204, the bronze number would be No. 203. Therefore your order should read:

One Bronze Cement Tool No. 203—Figure No. 210.

When ordering rollers, iron rollers will be furnished unless brass or bronze is specified.

The handles conform to the hand, are of hard maple, and cannot become loose, or turn, as they are not only held by screws, but also by lugs on the inside of the handle frame.

The workmanship is of the highest order, and being highly finished there are

### NONE BETTER

To meet the demand for a line of low priced tools, we have added a smaller line to our extensive assortment of cement tools, and offer them to the trade under the Special Brand of

### “ACME”

They embrace all the numbers in most general use. Though smaller and lighter than our regular goods, they are not as small as some of the tools offered to the trade, but of such size and shape as to meet the necessity and approval of the average cement worker.

All claims must be made within five days after receipt of goods and invoice.

Respectfully,

JOHN STORTZ & SON, Inc.

210-212 Vine St., Philadelphia, Pa., U. S. A.

## STORTZ CEMENT TOOL DISPLAY

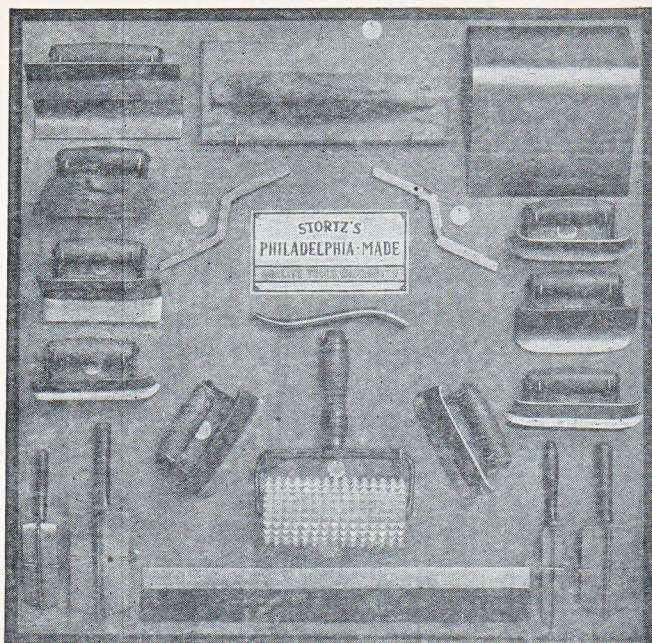


Fig. 208

**T**HE above display consisting of 20 "Best Sellers" from our vast manufacture of Cement Tools has never failed to increase sales. It saves half the time necessary in closing a sale by displaying all the patterns in full view—an arrangement that enables an intelligent selection—at a glance.

**Another asset.** A price sheet accompanies each panel giving you (or your salesman) the correct price, eliminating all possible errors.

Besides being a selling aid, this panel keeps a complete stock, easily accessible, avoiding surplus and dead stock on shelves and in dark corners.

The Tools are well oiled with a special Rust-Proof oil and mounted on a veneered panel 30x30 inches, finished in natural wood color. Order this silent salesman today; it will be an ornament in your store.

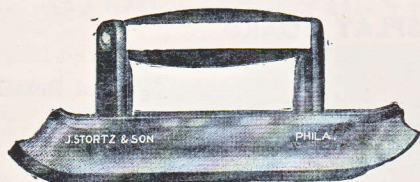
The cost of the tools is \$16.44, a display panel free with each assortment; and better still, we will gladly exchange any tools you cannot sell.



## TOOLS ON DISPLAY BOARD

	List Price	General Retail Price
1—No. 202—Jointer. Both ends curved .....	\$1.20	\$ .85
1—No. 204—Jointer. Straight end .....	1.20	.85
1—No. 206—Groover .....	1.20	.85
1—No. 208—Square Edger .....	1.50	1.00
1—No. 210—Bevel Edger .....	1.20	.85
1—No. 212—Curb Edger, $\frac{3}{8}$ -inch Radius .....	1.20	.85
1—No. 214—Curb Edger, $\frac{3}{4}$ -inch Radius .....	1.20	.90
1—No. 226—Corner Tool .....	1.20	.85
1—No. 156—Step Nosing Tool .....	3.00	2.00
1—No. 324—Base Tool .....	3.60	2.50
1—No. 18—Jointer, Iron Handle .....	.84	.60
1—No. 84—Jointer, Iron Handle .....	.96	.75
1—No. 286—Groover, Iron Handle .....	1.20	.90
1—No. 288—Narrow Jointer, Iron Handle .....	.84	.60
1—No. 166—Brick Jointer .....	.90	.65
1—No. 170—Brick Jointer .....	.90	.65
1—No. 229—Wood Float .....	.78	.50
1—No. $\frac{1}{2}$ —Iron Roller, 6-inch .....	6.00	4.00
1—No. 326—B Mason Jointer, $\frac{1}{2}$ -inch .....	.96	.75
1—No. 323—Cement Knife, 18-inch .....	3.00	2.00
List Price .....	\$32.88	\$22.90



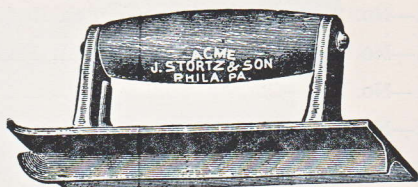
**Fig. 209 ACME JOINTER, BOTH ENDS CURVED**

Makes a medium-sized joint especially designed for pavement work. 6½ in. x 3 in.

No. 202—Iron ..... Each \$1.20

**Fig. 210 ACME JOINTER, STRAIGHT END**

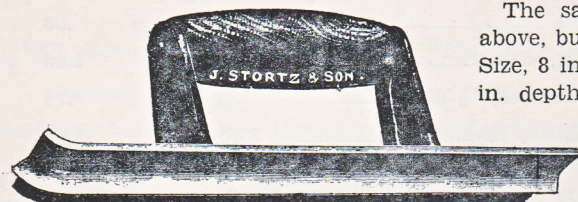
Makes a medium-sized joint, can be used in corners or for any purpose where a joint is required; especially designed for pavement work.



Cut ½ in. deep, ¼ in. wide.

No. 204—Iron, 6 in. x 3 in. .... Each \$1.20

No. 200—Iron, 9 in. x 3 in. .... " 1.50

**Fig. 211 ACME STRAIGHT END JOINTER, NARROW PATTERN**

The same general design as above, but longer and narrower. Size, 8 in. long, 1¾ in. wide, ½ in. depth of cut.

No. 218—Iron ..... Each \$1.20

**Fig. 212 ACME DRIVEWAY GROOVER**

They are used to make the joints or grooves in walks, driveways or where wide grooves are desired.



Cut ½ in. deep, 5⁄8 in. wide.

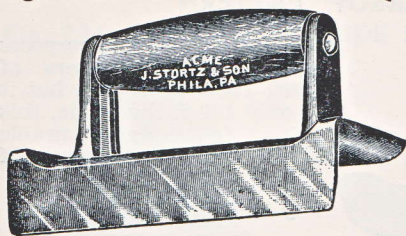
No. 206—Iron, 6¼ in x 2½ in. .... Each \$1.20

No. 236—Iron, 9 in. x 3 in. .... " 1.50



Fig. 213

## ACME SQUARE EDGER



This tool is used for finishing the edges of steps or other work that requires square edges.

6 in. x 3 in. x 1½ in.

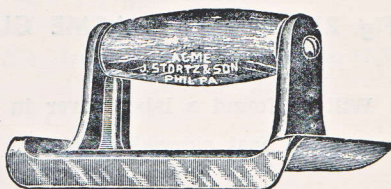
No. 208—Iron ..... Each \$1.50

Fig. 214

## ACME BEVEL EDGER

To bevel the edges of steps, corners of curbs, or work that requires a beveled or chamfered edge.

6 in. x 2¾ in., ⅝ in. bevel.



No. 210—Iron ..... Each \$1.20

Fig. 215

## ACME CURB TOOL OR EDGER



Curb tools or edgers are used to round and finish the edges of curbs, etc., or any work requiring perfectly rounded edges; made with ⅜ or ¾ inch radius.

6 in. long, 3 in. wide.

No. 212X—Size of Lip, ⅜ in. .... Each \$1.20  
 No. 212 Special—Size of Lip, ¾ in. .... " 1.20  
 No. 212—Iron, ⅜ in. radius. .... " 1.20

Fig. 216

## ACME CURBING EDGER

Especially designed to finish the edge of curbing or other work where a large round edge is desired.

6½ in. long, 3½ in. wide.



No. 216—Iron, 1½ in. radius. .... Each \$1.50

**Fig. 217 ACME EDGER, NARROW PATTERN**

Used for the same purposes as the other numbers of Curb Tools or Edgers, but it is only  $1\frac{3}{4}$  inches wide, this being found a desirable width for certain class of work.

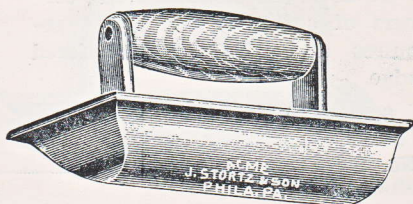
8 in. long,  $1\frac{3}{4}$  in. wide,  
 $\frac{3}{8}$  in. in radius.

No. 220—Iron. .... Each \$1.20

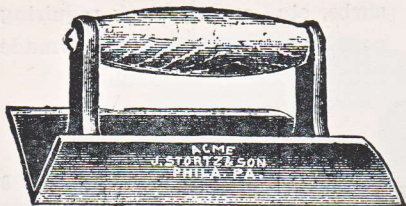
**Fig. 218 ACME GUTTER TOOL**

Will be found a labor saver in making a neat sidewalk gutter.

6 in. x  $3\frac{1}{2}$  in. x 1 in.



No. 224—Iron. .... Each \$1.50

**Fig. 219 ACME INSIDE CORNER TOOL**

Inside Corner or Angle Tools are used for finishing the inner corners of steps or angles; one corner of the tool projecting allows working closely in corners of frame work.

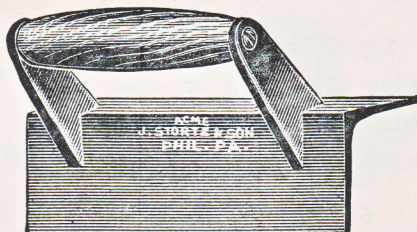
6 in. x 2 in. x 2 in .

No. 226—Iron. .... Each \$1.20

**Fig. 220 ACME OUTSIDE CORNER TOOL**

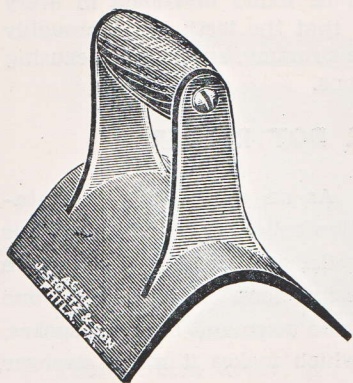
Outside Corner or Angle Tools are used to finish the outside sharp angles of steps, copings or other work requiring sharp angles.

6 in. x 2 in. x 2 in.



No. 228—Iron. .... Each \$1.50



**Fig. 221 ACME OUTSIDE ROUND ANGLE TOOL**

Outside Round Angle Tools are for the same purposes as Outside Corner Tools, where round angles are desired.

6 $\frac{3}{4}$  in. x 2 in. x 2 in.

1 inch radius.

No. 230—Iron. .... Each \$1.50

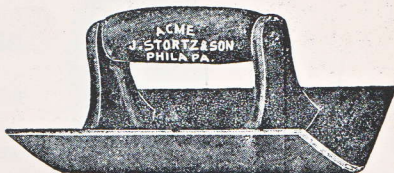
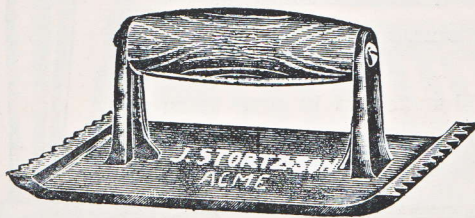
**Fig. 222 ACME INSIDE ROUND ANGLE TOOL**

Are used for the same purposes as the Inside Corner Tool on work requiring a round instead of a sharp angle.

6 $\frac{1}{4}$  in. x 2 in. x 2 in.

1 inch radius.

No. 232—Iron. .... Each \$1.50

**Fig. 223 BEADING OR CORRUGATING TOOL**

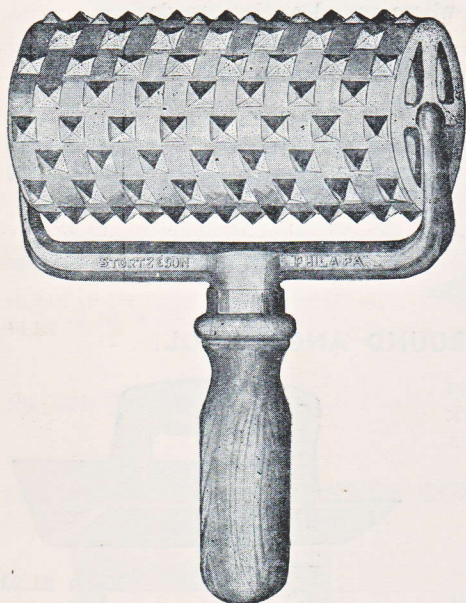
This is our latest designed tool, and is found a very useful and necessary tool when a rough-beaded or corrugated surface is required as in driveways, stable floors, etc.

No. 240—Tool, 4 x 6 in. Bead,  $\frac{7}{16}$  x  $\frac{1}{8}$  in. .... Each \$3.50

## CEMENT ROLLERS

To meet the demand for a low-price **Indentation Roller** we have added **Iron Rollers** to our list. These goods will be found first-class in every respect; but we would caution users to see that the teeth are thoroughly cleaned and oiled after using, so as to prevent rusting, and thereby causing the Tool to hang or drag in the indentations.

**Fig. 224 IRON INDENTATION OR DOT ROLLER**



As an extra cheap indentation roller, we have added this roller to our already extensive assortment. It is made of one solid piece and has four spokes, which makes it much stronger than all other low-priced rollers on the market.

The teeth are placed in alternate rows and not milled or machine finished as all our other Dot Rollers are.

Iron Aluminum Finish.

6 in. long, 4 in. diam.

No. 00—.....Each \$5.00

**Fig. 225 IRON INDENTATION OR DOT ROLLER**

Milled and Machine Finished.

Aluminum Finish.

Any length of handle can be used by means of our Extension Handle. See Figure, No. 231.  
May be had in brass.

No.  $\frac{1}{2}$ —Iron, 6 in. Each \$6.00

No.  $1\frac{1}{2}$ —Iron,  $7\frac{1}{2}$  in. " 7.20

No.  $2\frac{1}{2}$ —Iron, 10 in. " 9.60

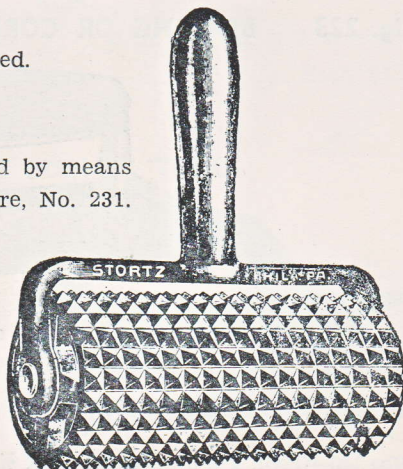
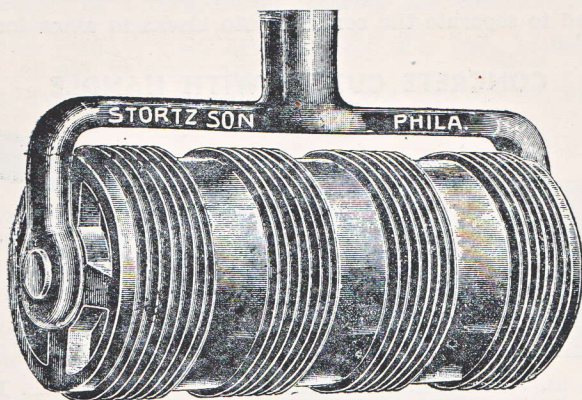




Fig. 226

## BRONZE RIBBON ROLLER



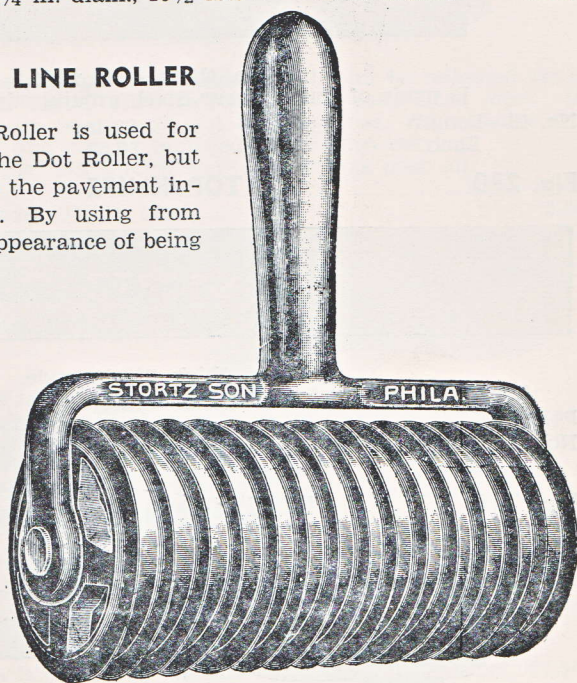
These Bronze Rollers are used for the same purpose as those on the preceding pages, and give a ribbon-like effect. Each ribbon is an inch in width, and is separated from the other by an inch of plain surface. Very ornamental.

No. 7—	7½ in. long, ¾ in. diam., 7½ lbs.	Each	\$18.00
No. 8—	12 in. long, ¾ in. diam., 10½ lbs.	“	24.00

Fig. 227 BRONZE LINE ROLLER

This hard Bronze Roller is used for the same purpose as the Dot Roller, but leaves fine lines across the pavement instead of indentations. By using from side to side gives the appearance of being bush hammered.

Lines can be spaced to suit purchasers.



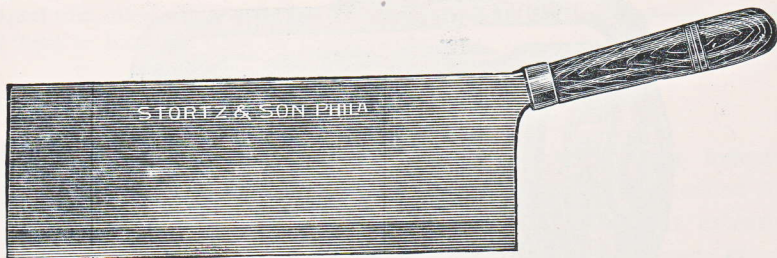
No. 3—	7½ in. long, ¾ in. diam., grooves $\frac{3}{16}$ in. apart,	8 lbs.	Each	\$18.00
No. 4—	12 in. long, ¾ in. diam., grooves $\frac{3}{16}$ in. apart,	11 lbs.	“	24.00
No. 5—	7½ in. long, ¾ in. diam., grooves ½ in. apart,	8 lbs.	“	18.00
No. 6—	12 in. long, ¾ in. diam., grooves ½ in. apart,	11 lbs.	“	24.00

Any length of handle can be used by means of our Extension Handle.

## CONCRETE CUTTERS

Are used to separate the concrete into blocks to allow for expansion or contraction.

**Fig. 228 CONCRETE CUTTER WITH HANDLE**



No. 99— $\frac{3}{8}$ in. thick, 4 in. wide, 20 in. long.	Each	\$11.50
No. 100— $\frac{1}{4}$ in. thick, 5 in. wide, 15 in. long.	"	11.50

**Fig. 229 CONCRETE CUTTER**



$\frac{3}{8}$  in. thick, 4 in. wide.

Is made of tough Shear Steel, ground edges, oil finish.

No. 43—Length	16 in.	20 in.	24 in.	30 in.
Each	\$5.50	\$6.50	\$7.50	\$9.50

**Fig. 230 TOP KNIFE**

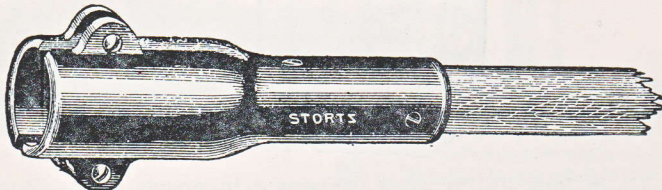


$\frac{3}{16}$  in. thick,  $2\frac{1}{2}$  in. wide.

This Knife is made for cutting the cement mortar on top of the pavement; is made of tough Shear Steel, ground edges, oil finish.

No. 44—Length	18 in.	24 in.	30 in.	36 in.
Each	\$3.00	\$4.00	\$4.50	\$5.20

**Fig. 231 EXTENSION HANDLES**



Extension Handles are used to attach to the rollers when long handle is required. They can be securely fastened, are made of malleable iron, with  $4\frac{1}{2}$ -foot hickory handle.

No. 95—Extension Handle.	Each	\$3.00
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The following Tools are made in two grades. The one grade is made of hard bronze, of a composition insuring the best wearing qualities, greatest toughness, and will not rust.

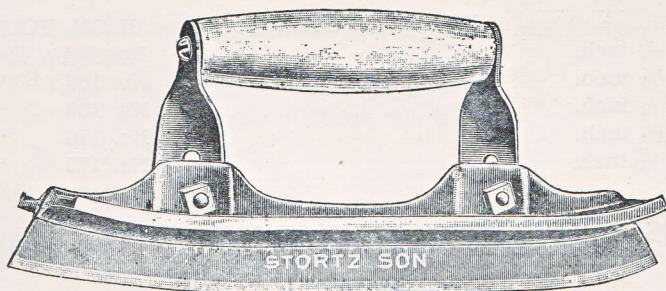
The other grade is made of clean hard gray iron; is therefore more serviceable, as well as economical.

**SPECIAL TOOLS MADE TO ORDER OR DESIGNED AT SHORT NOTICE.**

## JOINTERS

Used to finish the joints between the squares in pavements, floors, etc., and prevent the edges from chipping.

**Fig. 232 JOINTER, ADJUSTABLE BLADE**



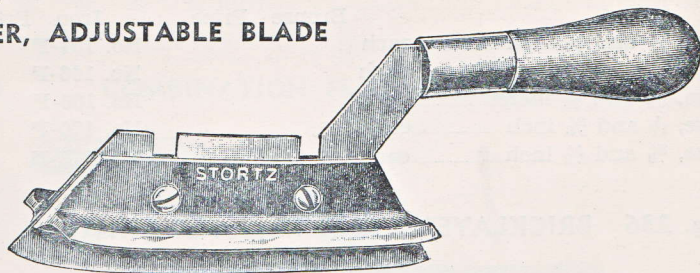
This tool has an adjustable steel blade, which can be adjusted from  $\frac{3}{8}$  inch to  $1\frac{3}{8}$  inch in depth. The tool finishes a good sized joint. It has a neat maple handle, which will not become loose. The blades are made interchangeable, and can be replaced when worn out.

8 $\frac{1}{4}$  inches long, 3 $\frac{1}{4}$  inches wide, 9 $\frac{1}{4}$  inches over all.

No. 10—Iron. ....	Each \$4.00
Additional Blades, 9 $\frac{1}{4}$ in. long. ....	2.00

**Fig. 233**

**JOINTER, ADJUSTABLE BLADE**



Used for yard or lawn walks, or any work that requires a neat joint. It cuts and finishes the joint at one time. The blade can be adjusted from  $\frac{3}{8}$  inch to 1 inch cut. Blades,  $\frac{1}{8}$  inch thick, are made interchangeable and can be replaced at a trifling cost when worn out.

4 $\frac{1}{2}$  in. long, 2 $\frac{1}{8}$  in. wide, 10 in. over all.

No. 12—Iron. ....	Each \$3.00	Additional Blades, $\frac{1}{8}$ in. thick, \$1.50
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## GROOVER, ADJUSTABLE BLADE

Same as Fig. 232.

4 $\frac{1}{2}$  in. long, 2 $\frac{1}{8}$  in. wide, 10 in. over all.

No. 12 $\frac{1}{2}$ —Iron, blade $\frac{1}{4}$ in. thick. ....	Each \$3.00
Additional Blades, $\frac{1}{4}$ in. thick. ....	1.50

**Fig. 234 COMBINATION BRICK JOINTER****Half Round Beads**

Convex or concave face.



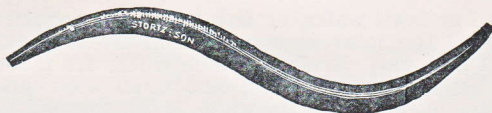
These tools are used in pointing stone, brick and cement walls. Each tool makes two sizes of joint.

	BRONZE, POLISHED	IRON, POLISHED
$\frac{1}{8}$ and $\frac{3}{16}$ inch.		No. 164 Each \$.90
$\frac{3}{16}$ and $\frac{1}{4}$ inch.		No. 166 " .90
$\frac{1}{4}$ and $\frac{5}{16}$ inch.		No. 168 " .90
$\frac{5}{16}$ and $\frac{3}{8}$ inch.		No. 170 " .90
$\frac{3}{8}$ and $\frac{1}{2}$ inch.		No. 172 " .90

**Fig. 235 COMBINATION FLUSH JOINTERS****Flat Face**

Used in pointing stone, brick and cement walls that require a flush joint, instead of a round or raised joint. Each tool makes two sizes of joints.

	Bronze Price	Iron Price	Each
Size, $\frac{1}{8}$ and $\frac{3}{16}$ inch.....	each	No. 164-F	\$.90
Size, $\frac{3}{16}$ and $\frac{1}{4}$ inch.....	each	No. 166-F	.90
Size, $\frac{1}{4}$ and $\frac{5}{16}$ inch.....	each	No. 168-F	.90
Size, $\frac{5}{16}$ and $\frac{3}{8}$ inch.....	each	No. 170-F	.90
Size, $\frac{3}{8}$ and $\frac{1}{2}$ inch.....	each	No. 172-F	.90

**Fig. 236 BRICKLAYERS' AND MASONS' JOINTERS****HAND FORGED**

Made of high-grade tool steel, large in center, both ends tapered, one end thinner than the other. This tool strikes a neat round joint. Also made of flat steel to make a Flush or Flat Joint.

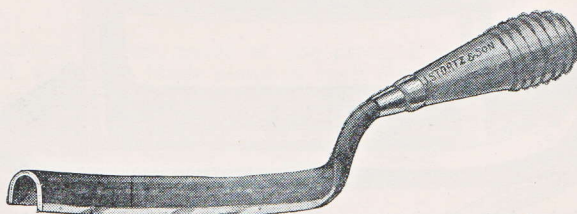
Size of steel.	$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.
	Each \$.96	\$1.20	\$1.50



## WOOD HANDLE BRICK POINTER

Fig. 237

## SLICKER



Hand forged of high quality tool steel, ground and polished to size.  
Light and durable.

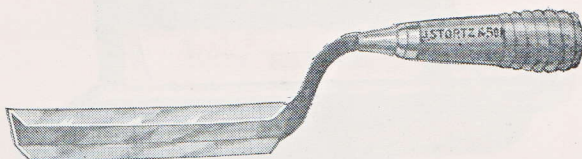
Half Round

Length of Blade,  $4\frac{1}{2}$  inch.

$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ inch. ....	Each \$1.40
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Fig. 238

## SQUARE JOINTER

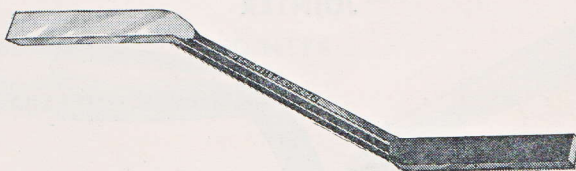


Length of Blade,  $4\frac{1}{2}$  inch.

$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ inch. ....	Each \$1.40
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Fig. 239

## COMBINATION FLAT SLICKER



Forged Octagon Tool Steel.

Polished Blades,  $2\frac{1}{2}$  inch.

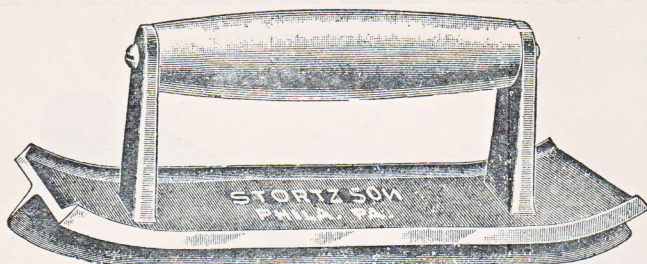
$\frac{3}{16}$ x $\frac{1}{4}$ .....	$\frac{3}{8}$ x $\frac{1}{2}$ .....	Each \$	.70
$\frac{1}{4}$ x $\frac{3}{8}$ .....	$\frac{1}{2}$ x $\frac{5}{8}$ .....	"	.70
$\frac{3}{8}$ x $\frac{1}{2}$ .....	$\frac{5}{8}$ x $\frac{3}{4}$ .....	"	.70

Stock Combinations.

Other Sizes to Order.

Fig. 240

## JOINTER



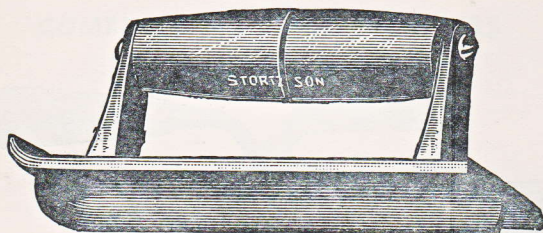
This Jointer is made in one solid piece, the blade being  $\frac{1}{4}$  inch thick. Has a strong maple handle, which will not turn or become loose.

Bronze tools, polished; Iron tools, polished. All 3 inches wide.

No. 14	—Iron, $7\frac{1}{2}$ in. long, $\frac{5}{8}$ in. deep.	Each	\$1.80
No. 14 $\frac{1}{2}$	—Iron, $7\frac{1}{2}$ in. long, 1 in. deep.	"	2.40
No. 314	—Iron, 9 in. long, $\frac{5}{8}$ in. deep.	"	2.10

Fig. 241

## JOINTER

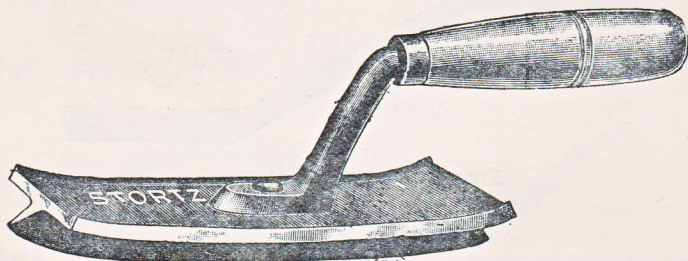


This Jointer is made with one straight end, as shown in cut, the blade  $\frac{3}{16}$  inch thick,  $\frac{1}{2}$  inch deep; very desirable for making a neat joint in corners or against frame work.

No. 176	—Iron, $7\frac{1}{2}$ in. long, 3 in. wide.	Each	\$1.92
No. 176 $\frac{1}{2}$	—Iron, 12 in. long, 3 in. wide.	"	2.70

Fig. 242

## JOINTER



This Jointer is made with a strong neat maple handle. The blade is  $\frac{1}{2}$  inch deep and  $\frac{5}{16}$  inch thick. It finishes a very neat joint.

$4\frac{3}{4}$  in. long,  $2\frac{1}{2}$  in. wide,  $9\frac{1}{2}$  in. over all.

No. 16	—Iron.	Each	\$1.50
--------	--------	------	--------



Fig. 243

## NARROW JOINTER

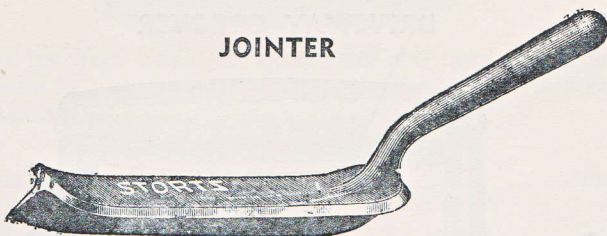


Extra narrow Jointer, made of one piece, 1 in. wide, 5 in. long and 9 in. over all, with thin blade about  $\frac{3}{16}$  inch deep.

No. 288—Iron. .... Each \$.84

Fig. 244

## JOINTER



This tool is made in one piece, with blade about  $\frac{1}{4}$  inch wide.

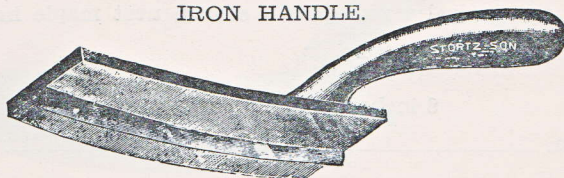
4 in. long,  $1\frac{5}{8}$  in. wide, blade  $\frac{3}{8}$  in. deep, 8 in. over all.

No. 18—Iron. .... Each \$.84

Fig. 245

## SQUARE END JOINTER

IRON HANDLE.

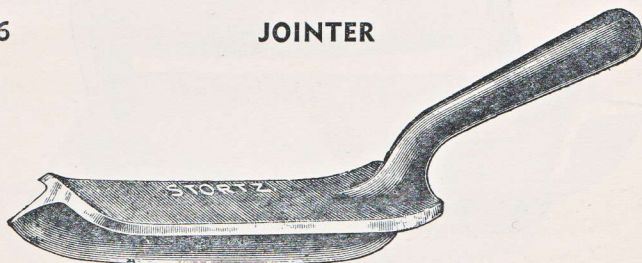


Made with straight end, as shown in cut, the blade  $\frac{5}{16}$  inch thick,  $\frac{1}{2}$  inch deep, otherwise the same in general finish as Fig. 244, and is very desirable for making a neat joint in corners or against frame work.

No. 82—Iron, size, 5 in. long,  $2\frac{1}{2}$  in. wide. .... Each \$.96

Fig. 246

## JOINTER



This is the latest improved Jointer. It is convexed both lengthwise and crosswise. It has a blade  $\frac{1}{2}$  inch deep, and finishes a medium-sized joint. The handle is large and full, conforming to the hand. An excellent tool.

5 in. long,  $2\frac{3}{8}$  in. wide, 8 in. over all.

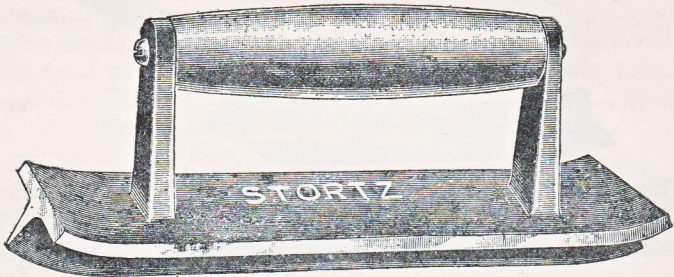
No. 84—Iron. .... No. 64—Blade,  $\frac{3}{8}$  in. deep,  $\frac{1}{8}$  in. thick. .... Each \$.96

## DRIVEWAY GROOVERS

These tools are used to make wide joints or grooves in pavements, walks, driveways and stables to prevent horses from slipping, etc. The grooves will also drain the floor, etc.

**Fig. 247**

### DRIVEWAY GROOVER



Made in one piece, with a blade  $\frac{1}{2}$  inch thick and  $\frac{5}{8}$  inch deep, the right width for general work. Has a strong, neat maple handle, which will not turn or become loose.

8 inches long, 3 inches wide.

No. 20—Iron. .... Each \$2.04

**Fig. 248**

### DRIVEWAY GROOVER



Made with one straight end, as shown in cut, and is the same in style and finish as Fig. 247, but makes deeper grooves.

$7\frac{1}{2}$  inches long, 3 inches wide.

No. 178—Iron. .... Each \$2.04



Fig. 249

## DRIVEWAY GROOVER



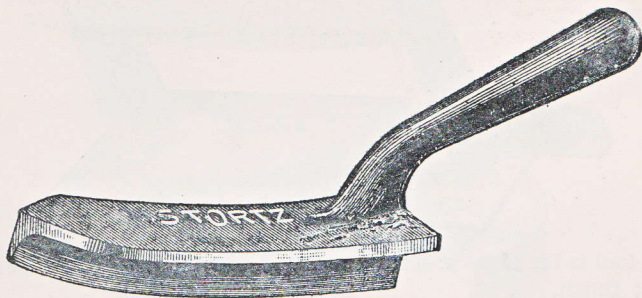
Designed for work where an extra wide and deep groove is desired, the blade being  $\frac{5}{8}$  inch deep by 1 inch wide at the top. A good, strong and serviceable tool.

3 inches wide, 7 inches long.

No. 154—Iron. .... Each \$2.16

Fig. 250

## DRIVEWAY GROOVER



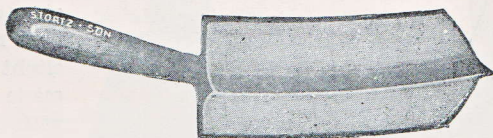
This Groover is used for the same purpose as Fig. 247. It is made in one piece, with blade  $\frac{1}{2}$  inch thick and  $\frac{5}{8}$  inch deep.

5 in. long, 2 in. wide,  $8\frac{1}{2}$  in. over all.

No. 22—Iron. .... Each \$.96

Fig. 251

## DRIVEWAY GROOVER



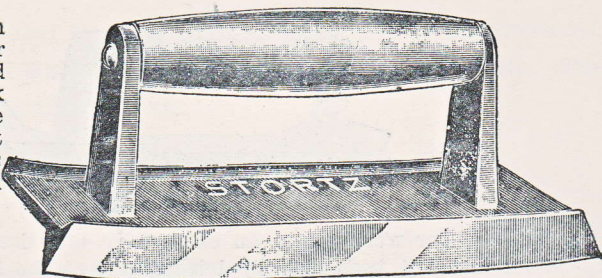
This extra-wide Groover makes a groove  $\frac{1}{2}$  inch wide and  $\frac{3}{4}$  inch deep; is made of one piece,  $2\frac{3}{4}$  inches wide, 5 inches long, 9 inches over all. It makes a wide groove and gives a neat appearance.

No. 286—Iron. .... Each \$1.20

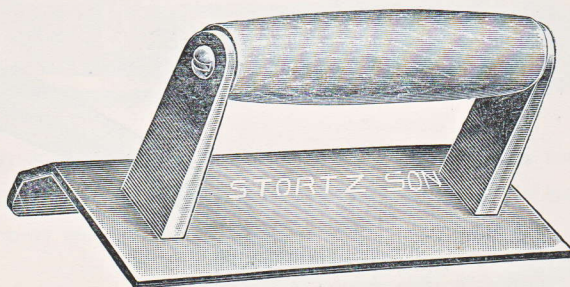
**Fig. 252****BEVEL TOOL**

This tool is used in beveling the edge or corners of curbs and steps, or any work where a beveled edge is desired to prevent chipping. It is strong, neat, and well proportioned.

7½ inches long, 3 inches wide.



No. 36—Iron. .... Each \$2.04

**Fig. 253****BEVEL EDGER**

This tool is for same general use as Fig. 252; makes ⅝ inch bevel edge; very neat finish.

7½ inches long, 3 inches wide.

No. 180—Iron. .... Each \$2.40

**Fig. 254****STEP EDGER**

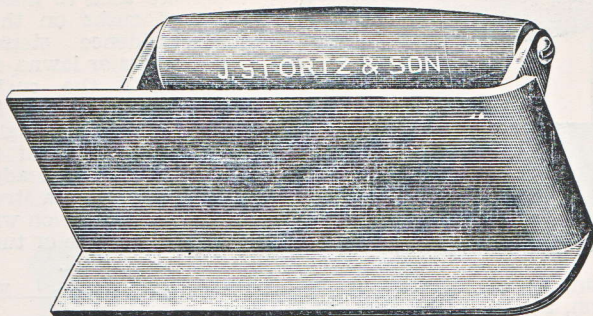
Step Edgers are used for finishing the edges or corners of steps, copings, etc., or other work that requires a very slight edge. It is made of one piece, with a good strong handle that will not become loose or turn.

7 in. long, sides 1¼ in., face 1½ in.

No. 290—Iron. .... Each \$2.40



Fig. 255

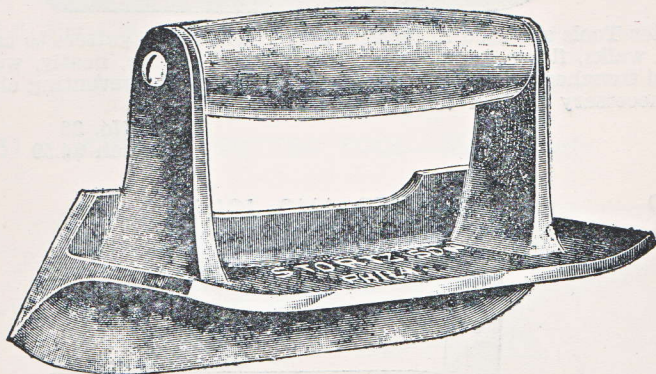
**SQUARE EDGER**

This Edger is used for the same general purposes as Fig. 254, but is different in design, as shown in cut.

7 inches long, 3 inches wide, 1 inch lip.

No. 182—Iron. .... Each \$2.20

Fig. 256

**CURB TOOL OR EDGER**

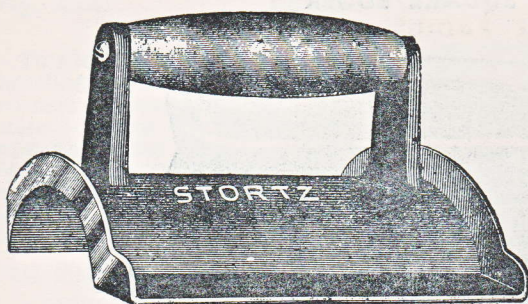
Curb Tools or Edgers are used for rounding and finishing the edges or corners of cement curbs, walks, steps, etc., to prevent the edges and sides from chipping. They are made in various radiuses to answer all requirements.

No. 24—Iron, $\frac{3}{8}$ in. radius, $7\frac{1}{2}$ in. long, $2\frac{1}{2}$ in. wide. ....	Each \$1.92
No. 26—Iron, $\frac{1}{2}$ in. radius, $7\frac{1}{2}$ in. long, $2\frac{1}{2}$ in. wide. ....	" 2.16
No. 28—Iron, 1 in. radius, $7\frac{1}{2}$ in. long, $2\frac{1}{2}$ in. wide. ....	" 2.16
No. 86—Iron, $1\frac{1}{2}$ in. radius, $7\frac{3}{4}$ in. long, $2\frac{1}{2}$ in. wide. ....	" 2.28
No. 30—Iron, 2 in. radius, 8 in. long, $2\frac{3}{4}$ in. wide. ....	" 2.90

**SPECIAL DESIGN OR RADIUS OF EDGERS TO ORDER**

Fig. 257

## RESIDENCE CURB TOOLS



Residence Curb Tools are used to finish the top of curbs on the side of residence steps around walks or lawns, etc. They finish the curb in the shape of a roll  $1\frac{1}{4}$ , 2,  $2\frac{1}{4}$  or 3 inches high, according to size of tool used. They are made of one piece, with a strong maple handle, which will not become loose or turn. A very useful tool.

No. 32—Iron, $1\frac{1}{4}$ in. high, $3\frac{1}{2}$ in. wide. ....	Each \$4.00
No. 34—Iron, $2\frac{1}{4}$ in. high, $5\frac{3}{4}$ in. wide. ....	" 4.50
No. 114—Iron, 2 in. high, 4 in. wide. ....	" 4.00
No. 116—Iron, 3 in. high, 6 in. wide. ....	" 6.00

Fig. 258

## GUTTER TOOL

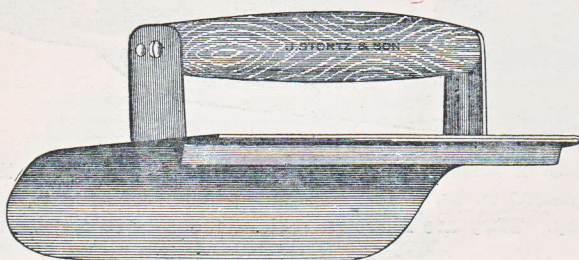


Gutter Tools are used in making and finishing the gutters to carry off water in walks, floors, pavements, etc. With their use, neatly, well proportioned trenches are made, the cement well packed, preventing chipping, etc. A necessary tool for the purpose.

No. 38	No. 40
Each \$4.50	\$5.00

Fig. 259

## CURB EDGER AND JOINTER



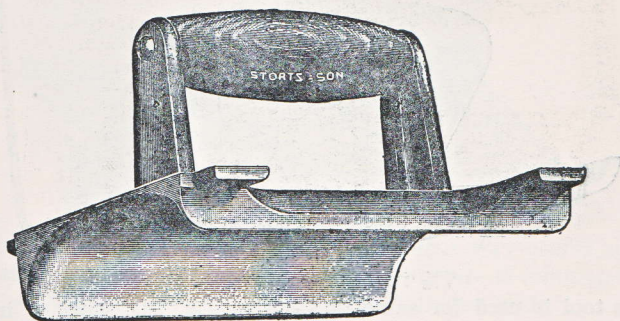
Used to finish the edge of a curb and make the joint between the curb and walk at one operation. A very useful, practical and time-saving tool, made with 1 in. radius.

No. 316 —For 4-inch curb. ....	Each \$4.00
No. 316-5—For 5-inch curb. ....	" 4.30
No. 318 —For 6-inch curb. ....	" 4.30
No. 318-8—For 8-inch curb. ....	" 4.60

All tools  $7\frac{1}{2}$  inches long. Special sizes made to order.



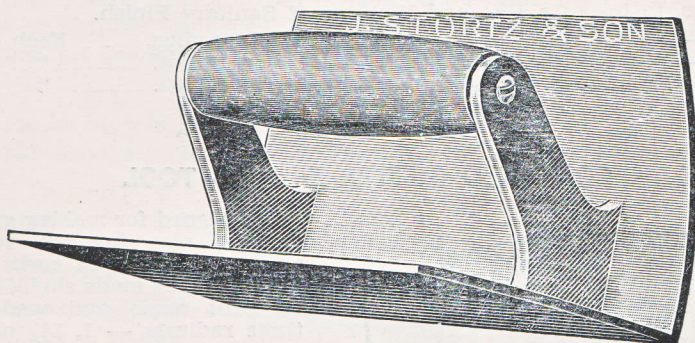
Fig. 260

**DOUBLE RADIUS CURB TOOL**

This tool is designed to finish the top and both edges of a curb in one operation. A great labor saver, and is used principally where the curb does not adjoin the walk.

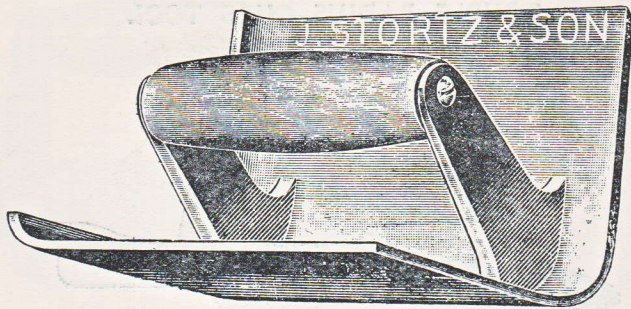
**RADIUS**

No. 320 —For 4 in. Curb. $1\frac{1}{2}$ in. and $\frac{3}{4}$ in. ....	Each \$3.80
No. 320-5—For 5 in. Curb. $1\frac{1}{2}$ in. and $\frac{3}{4}$ in. ....	“ 4.10
No. 322 —For 6 in. Curb. $1\frac{1}{2}$ in. and $\frac{3}{4}$ in. ....	“ 4.40
No. 322-8—For 8 in. Curb. 1 in. and $\frac{3}{4}$ in. ....	“ 5.00

Fig. 261 **CURB & GUTTER TOOL—Sharp Angle**

This tool is designed for finishing curbs and gutters. Can be used on inside angle of steps or where a sharp angle is required.  $7\frac{1}{2}$  in. long, 4 in. sides.

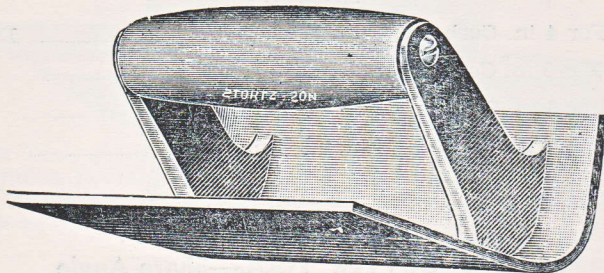
No. 192—Iron. ....	Each \$3.60
No. 190—Same as above, with 3 in. sides. ....	“ 3.60

**Fig. 262 CURB & GUTTER TOOL—Round Angle**

7½ inches long, 4 inch sides.

This tool is used for same purpose as Fig. 261, with ¾ inch radius, instead of sharp angle, and is therefore used for purposes where round angle is desired.

No. 194—Iron. .... Each \$3.60

**Fig. 263****BASE TOOL**

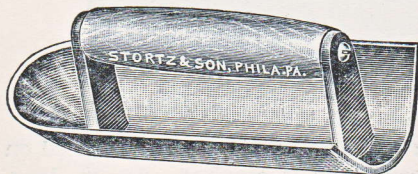
Made for finishing gutters and bases in Churches, Hospitals, Public buildings, to insure a Fire and Waterproof Sanitary Finish.

No. 324—7½ in. long, Sides 4½ in. x 6 in., 1½ in. radius. .... Each \$4.00

No. 326—8½ in. long, Sides 4½ in. x 7 in., 1 in. radius. .... " 4.00

No. 328—7¾ in. long, Sides 3½ in. x 6 in., 2 in. radius. .... " 4.00

Special Sizes Made to Sketch.

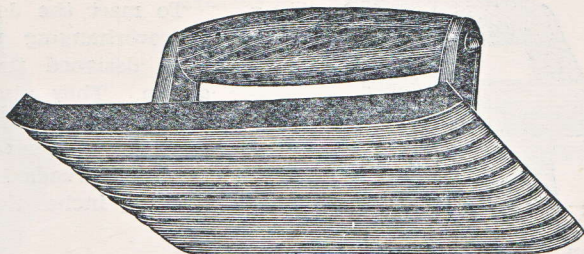
**Fig. 264****COMBINED GUTTER & CURB TOOL**

Is designed for making gutter grooves, also for the round curves on combined curbs and gutters. It is made slightly out of right angle and made in three radiuses — 1, 1½ and 2 inch — having one round nose; it can be used to finish curved corners, grooved columns, etc. A very handy tool.

IRON

No. 302—1 inch radius. .... Each \$2.80  
 No. 304—1½ inch radius. .... " 3.00  
 No. 306—2 inch radius. .... " 3.30



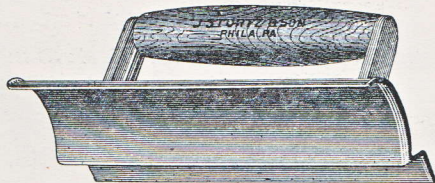
**Fig. 265      BEADING OR CORRUGATING TOOL**

This is our latest designed tool, and is found a very useful and necessary tool where a rough-beaded or corrugated surface is required for steps, driveways, stable floors, etc., 7 inches long, 5 inches wide.

No. 48 —Iron, $\frac{1}{2}$ in. beads, $\frac{3}{16}$ in. high. ....	Each \$3.60
No. 48 $\frac{1}{2}$ —Iron, 1 in. beads, $\frac{1}{2}$ in. high. ....	“ 3.60

**Fig. 266      STEP NOSING TOOL**

Step Nosing tools are found to be a necessity in the tool box of the up-to-date cement worker, as with them the making of steps is greatly facilitated, each tread being exactly alike and beautifully finished.



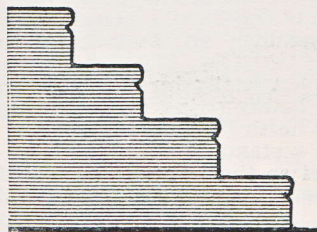
Step Nosing tools are used to finish the nose or bead of the tread of steps, or for other ornamental purposes. They greatly facilitate this class of work, are therefore great labor-savers, a useful and economical tool.

7 in. long, 4 in. thick,  $\frac{1}{2}$  in. recess. ,

No. 156—Iron, 7 in. long, $2\frac{1}{2}$ in. tread. ....	Each \$3.00
No. 160—Iron, 6 in. long, $1\frac{1}{2}$ in. tread. ....	“ 3.00

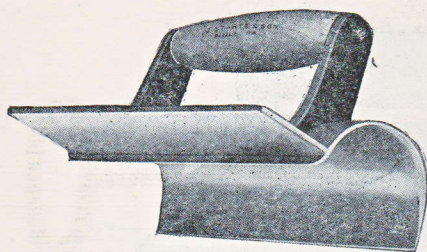
**Fig. 267**

Showing section of  
step made by Nosing  
Tool, Fig. 266



**NOSING TOOLS CAN BE MADE OF ANY SPECIAL DESIGN UPON  
RECEIPT OF SKETCH. PRICES UPON APPLICATION.**

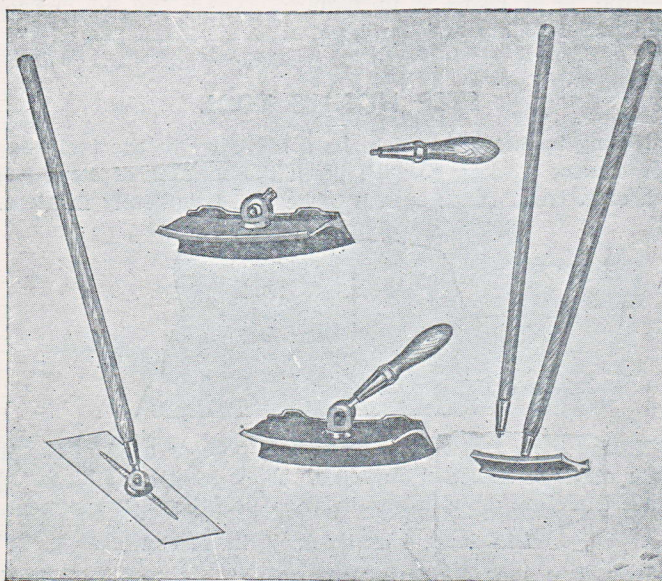
Fig. 268

**OVERHANGING NOSE PATTERN**

To meet the demand for an overhanging tread, we have designed the tool as shown. They also make a slight joint between the riser and tread. We carry them in stock for treads  $1\frac{1}{2}$  inches, also  $2\frac{1}{2}$  inches thick.

No. 308—Iron, 7 inches long, $1\frac{1}{2}$ inch tread. ....	Each \$3.00
No. 310—Iron, 7 inches long, $2\frac{1}{2}$ inch tread. ....	“ 3.00
No. 312—Iron, 7 inches long, 2 inch tread. ....	“ 3.00

Fig. 269

**LONG HANDLE BALL BEARING CEMENT TOOLS**

A turn of the handle loosens the tool so that it can be turned completely around if need be, and the handle can be raised and lowered to any angle desired. A turn of the handle securely tightens the handle and tool.

No wrench, no spanner, no screw-driver to mislay and look for is required.

These tools were especially invented to supply long-handled cement tools with a reliable, handy adjustable fastening, for the cement worker who does not wish to finish his work stooping or on his knees, but prefers to do his finishing in a standing position.

They can be used as short-handle tools if desired. (See cut.)  
Set, consisting of Trowel, Jointer and Edger, with two long and one short handle.

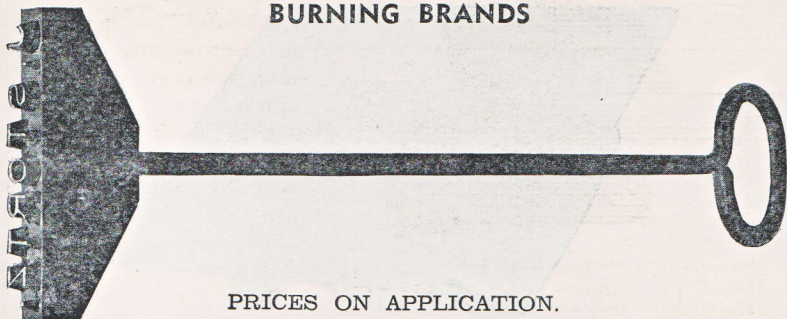
Single tools furnished. Any or all of our short-handle tools will be furnished for long handles, if desired, at a slight advance to short-handle prices.

PRICES ON APPLICATION.



Fig. 270

## BURNING BRANDS

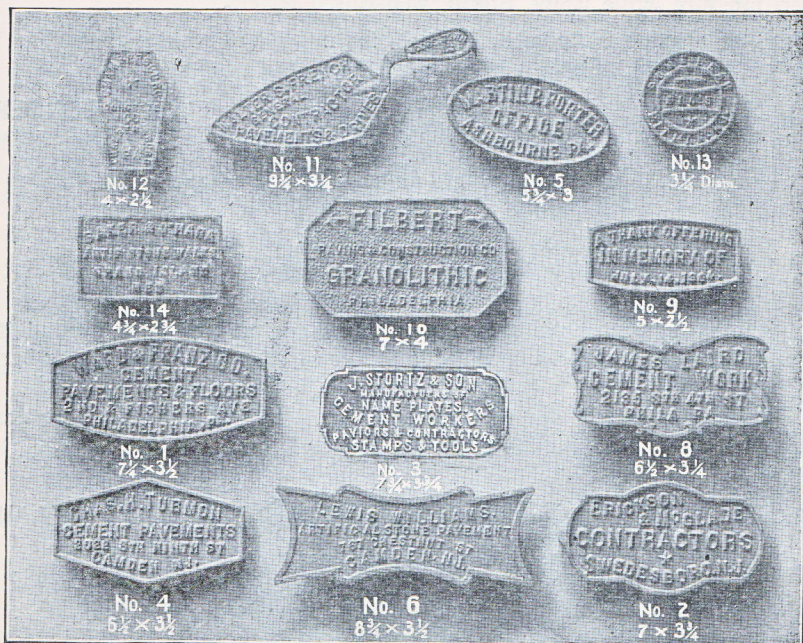


PRICES ON APPLICATION.

For burning names on wheelbarrows, shovels, picks and handles of tools generally. The use of a Burning Brand prevents the loss of many tools. Made with sharp-faced letters. Give size of letters desired.

Fig. 271

## BRONZE NAME PLATES



Name plates inserted in pavements or other work are a standing advertisement for the contractor or paver. They are made with lugs to assure a firm hold in the cement. The above cut shows a few of our designs. When ordering order by number. Prices on application. Will submit other designs if desired or quote on original design or sketch.

PRICES ON APPLICATION.

Fig. 272

## NAME STAMPS



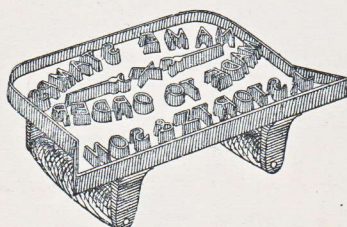
This tool is used by pavers to brand or stamp their work, and pays its cost many times over as an advertising medium. It is pressed into the pavement before it is set or thoroughly dry. Above cut shows stamp without border.

It is made in one piece, with two strong handles to secure a good even pressure while using. Sharp, well-raised letters.

Size of letters usually used,  $\frac{5}{8}$  or  $\frac{3}{4}$  inch.

Fig. 273

## WITH BORDER

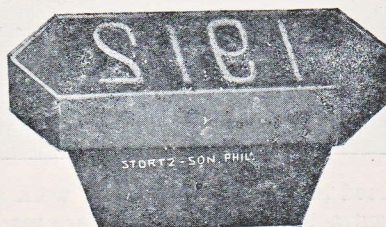


The above cut shows a Stamp with an edging or border around it. Stamps can be made with or without border as desired. Stamps with border \$2.00 additional.

Stamps of special design made to order. Send sketch or description for price. All name stamps made in Iron or Bronze.

Fig. 274

## DATE STAMP



For stamping date in cement work. 1 inch figures.

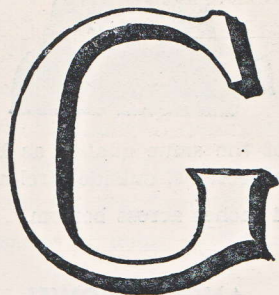
No. 80—Iron, polished.

PRICES ON APPLICATION.



Fig. 275

## BRASS LETTERS



These letters are used for the same purpose as name plates, to be embedded in pavements, etc., are made with lugs to prevent them becoming loose and assure a firm hold.

- 2 inch letters.
- 3 inch letters.
- 4 inch letters.
- 6 inch letters.
- 8 inch letters.

Other sizes or special designs of letters made to order.

Fig. 276

## ALPHABET AND FIGURES



Made of brass, are well finished. Can be pressed or tamped into the cement. With a set of alphabets and figures any name and number can be impressed.

- Alphabets, 1 inch high, A to Z.
- 1¼ inches high, A to Z.
- 1½ inches high, A to Z.
- 2 inches high, A to Z.
- 3 inches high, A to Z.
- 4 inches high, A to Z.
- 6 inches high, A to Z.

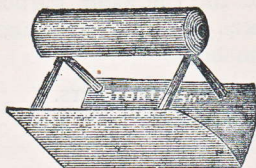
- Figures, 1 inches high, 0 to 9.
- 1¼ inches high, 0 to 9.
- 1½ inches high, 0 to 9.
- 2 inches high, 0 to 9.
- 3 inches high, 0 to 9.
- 4 inches high, 0 to 9.
- 6 inches high, 0 to 9.

PRICES ON APPLICATION.

**Fig. 277****OUTSIDE CIRCLE TROWELS**

These trowels are of the same quality as Fig. 280, but are used to finish pillars, circular projections, outside circles, etc.

No. 53—2 inch radius, 4 inches across bottom. .... Each **\$3.20**

**Fig. 278****ANGLE TROWEL**

This angle or inside corner trowel is used to finish the inner angles of steps or copings, etc. It is made of the best quality of steel.

No. 50—6 inches long,  $2\frac{3}{4}$  inch sides. .... Each **\$2.30**

**Fig. 279****OUTSIDE ANGLE TROWEL**

These trowels are made of the best crucible steel and are used to finish the outer angles and corners of steps, copings, etc.

No. 54—6 inches long,  $2\frac{3}{4}$  inch sides. .... Each **\$3.20**

**Fig. 280****INSIDE CIRCLE OR COVE TROWELS**

These trowels are made of the best grade of tempered trowel steel and are used to finish coves, inner circles, curves, flutings, etc. They can be furnished of any desired radius.

No. 52—2 inch radius, 4 inches across top. .... Each **\$3.20**



## CONTRACTORS' TOOLS

Showing only a few of the many tools used by contractors and road builders. However, as each State and county have their own particular specifications for tools and equipment, space does not permit the display of all items. We therefore present a representative group which are **standard** tools. We have on file the specifications of all Eastern States along with the special requirements of many of the local municipalities, townships and boroughs.

We solicit your inquiries on any tools or small equipment that may be required by the road builder and general contractor.

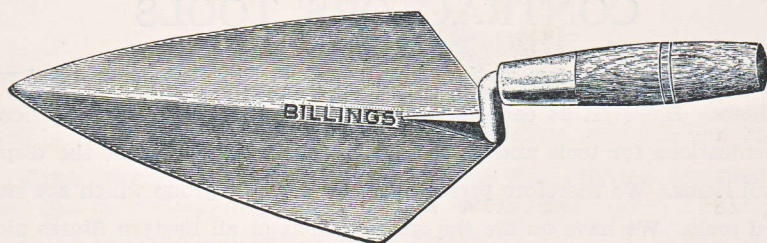
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## PNEUMATIC TOOLS

After nearly a century of manufacturing hand tools of the highest type of cutting metals, stones and wood, we are now prepared to meet the ever increasing demand for machine-powered tools for construction and demolishing work.

We manufacture a complete line of tools used in conjunction with pneumatic, electrical and gasoline operated machines which we believe represent the highest type of tools in the competitive field. In addition to the standard stock as listed in the following pages. We are prepared to apply our experience in recommending and furnishing tools to meet unusual and exceptional conditions. We assure you that we will keep abreast of the rapid progress made by the steel manufacturers in producing steels of the higher types of machine operated tools and will apply these in the manufacture of our tools.



**Fig. 281 WIDE HEEL PATTERN BRICK TROWEL**

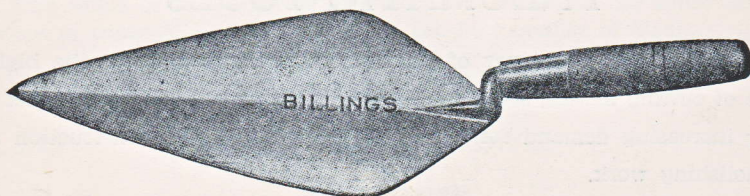
- No. 1221—Long hardwood hdl, 6 in.  
 No. 1422—Short hardwood hdl, 5 in.  
 No. 1321—Long leather hdl, 5½ in.  
 No. 1522—Short leather hdl, 5 in.

**Blades**

- 9 inches, 10½ inches, 12 inches  
 9½ inches, 11 inches, 12½ inches  
 10 inches, 11½ inches, 13 inches  
 Width of blades 6 inches

**BRICK TROWELS**

Wood Hdles	Leather Hdles
9" \$28.40	\$32.00 Per Doz.
9½" 29.60	33.20 " "
10" 30.80	34.40 " "
10½" 32.00	35.60 " "
11" 33.20	36.80 " "
11½" 34.40	38.00 " "
12" 35.60	39.20 " "

**Fig. 282 LONDON PATTERN BRICK TROWEL**

- No. 1112—Long hardwood hdl, 6 in.  
 No. 1312—Long leather hdl, 5½ in.

**Blades**

- |              |              |
|--------------|--------------|
| 9 x 5⅛ in.   | 11 x 5½ in.  |
| 9½ x 5¼ in.  | 11½ x 5⅝ in. |
| 10 x 5⅜ in.  | 12 x 5¾ in.  |
| 10½ x 5½ in. | 12½ x 5¾ in. |

**Special Narrow London**

- ¾ in. Narrower than Reg. London  
 No. 1116—Long hardwood hdl, 6 in.  
 No. 1316—Long leather hdl, 5½ in.

**BRICK TROWELS**

Wood Hdles	Leather Hdles
9" \$28.40	\$32.00 Per Doz.
9½" 29.60	33.20 " "
10" 30.80	34.40 " "
10½" 32.00	35.60 " "
11" 33.20	36.80 " "
11½" 34.40	38.00 " "
12" 35.60	39.20 " "

Narrow Pattern same as above  
 —Additional Per Doz. \$5.00

**Fig. 283****TROWELS**

Of one-piece forged steel, correctly tempered, ground and polished.  
 Equipped with genuine persimmon handle.

Pointing Trowel.

4, 4½, 5, 5½ and 6 inches. .... Per doz. \$8.00



Fig. 284

## WIDE MARGIN TROWEL



1½x5 and 6, 2x4, 5, 6, 7 and 8 inches. .... Per Doz. \$10.00

Fig. 285

## NARROW MARGIN TROWEL



Length 5 inches.

Width ¼, ⅜, ½, ⅝, ¾ and ⅞ inches. .... Per Doz. \$8.00

Tuck Pointer same as above.

⅛-inch thick Stiff Blade.

## STATE HIGHWAY EDGING TOOLS

## New Long Lip Pattern

ALL TOOLS MADE TO APPROVED SPECIFICATIONS

Fig. 286

## PENNSYLVANIA



No.	Radius
134	⅛ in.
134 ¼	¼ in.
134 ⅜	⅜ in.
136	½ in.
138	¾ in.
140	1 in.

Size 4x9. Lip, 1¼ inches.

Price, Each \$4.50

Fig. 287

## NEW YORK

No. ½-L.

Size 3½ x 12 inches. Lip, 1¼ inch.

½-inch Radius



## NARROW TYPE

No.	Size	Radius	Lip
212-9	3x9 inches	⅜ inch	¾ inch
136-3	3x9 inches	½ inch	1¼ inch
138-3	3x9 inches	¾ inch	1¼ and 1½ inches
¾-L	3x12 inches	⅜ inch	¾ inch
			Price, Each \$4.50

Fig. 288

**RUBBING STONE HANDLES**

Size 2x2x6, 2x2x8.

6"—Each \$1.50

8"— " 1.70

Handles or Stone sold separate.

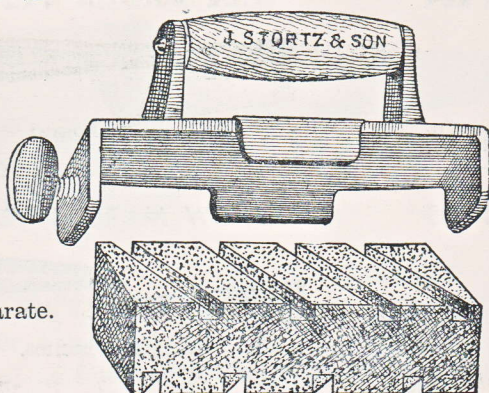


Fig. 289

**ASPALT TAMPER**

Solid stem welded to pipe to prevent breaking or bending when temper is heated as for asphalt. Extra strong tamper for general use.

Tamper 6x8 inches—30 lbs.	Each \$5.00
" 6x8 inches—37 lbs.	" 6.00

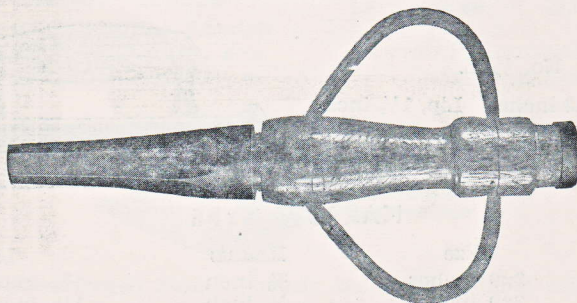
Fig. 290

**ASPALT SMOOTHERS****New York Pattern**

Smoother—45 lbs.	Each \$7.00
Smoother—55 lbs.	" 8.00

Of the same rugged construction as our Asphalt Tamper.

Fig. 291

**BELGIAN PAVING RAMMERS****(New York Bow Rammers)**

Weight, complete, 35 lbs. Base only, 24 lbs. Length over all, 33 inches.  
Price, Each \$19.00



Fig. 292

**CURBSTONE LIFTS**

Curbstone Lifts, heavy hickory, bound with thick steel band.

	6 ft.	7 ft.	8 ft.
Each .....	\$12.00	\$14.00	\$16.00

Fig. 293

**STREET PAVERS' HAMMERS****Cobble Hammer**

Fig. 294

**Belgian Block Hammer**

No. 117—Cobble Hammers. .... Each \$6.00

No. 118—Belgian Block Hammers. .... " 6.00

Fig. 295

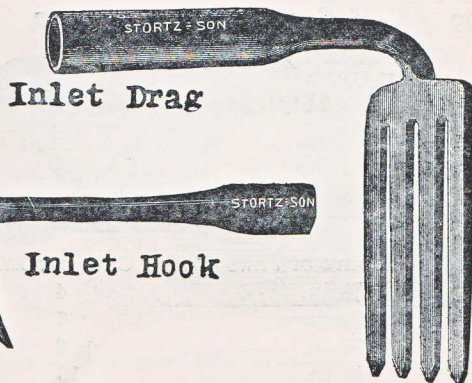
**INLET TOOLS**

Fig. 296

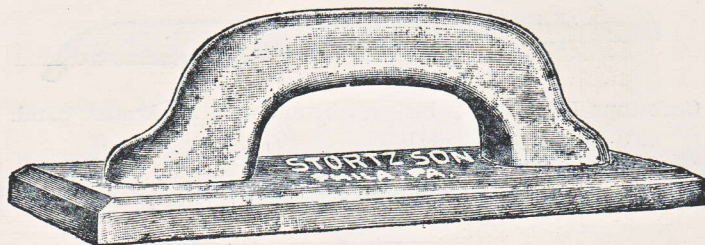
**Inlet Hook**

With and Without Handles.

PRICES ON APPLICATION.

Fig. 297

## WOOD FLOATS

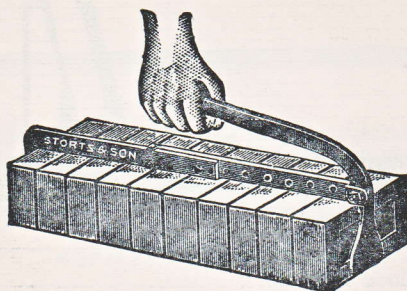


This float is used with a smoothing trowel to float or smooth the topping. It is made of selected oak or pine.

No. 229— $\frac{7}{8}$ x4 $\frac{1}{2}$ x11 $\frac{1}{2}$  inches. .... Per Doz. \$9.00

Fig. 298

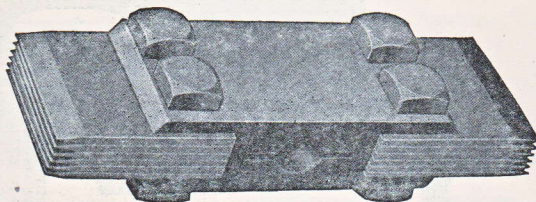
## BRICK HANDLERS



A handy, useful tool. Will hold ten regular bricks; adjustable to carry a smaller number. Strong and light. .... Each \$3.50

Fig. 299

## BUSH HAMMER



Size	Opening of Jaws	Cuts per End	Weight	Each
1	$\frac{7}{8}$ in.	4	9 lbs.	\$20.00
2	$\frac{7}{8}$ in.	6	9 lbs.	20.00
3	$\frac{3}{4}$ in.	8	7 lbs.	19.00
4	$\frac{11}{16}$ in.	10	6 lbs.	18.00
5	$\frac{5}{8}$ in.	12	5 lbs.	18.00
6	$\frac{5}{8}$ in.	4, 5, 6,	5 lbs.	17.50

These hammers are suitable for bushing either Granite or Concrete.

CAUTION: This type of hammer must not be used on wet concrete.



Fig. 300

**DIRT TAMPERS**

Dirt Tampers, for the same purpose as the cast-iron Tampers, Fig. 302, are cast in one solid piece; handles same grade and size.

**Wood Handles**

No. 343— 4 in. diam., 11 lbs.....\$2.00

No. 344— 6 in. diam., 12 lbs..... 2.50

No. 345— 7 in. diam., 15 lbs..... 3.00

Add 7 lbs. each for Pipe Handles.

Pipe-Hole, 60c each additional

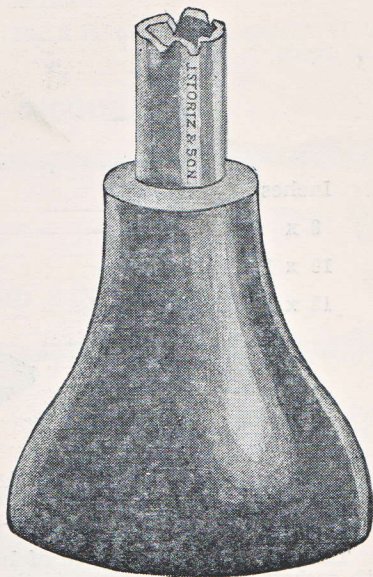
Fig. 301

**BELL BOTTOM TAMPERS**

6 in. diameter.

Weight, 21 lbs.

Price, \$3.50 Each



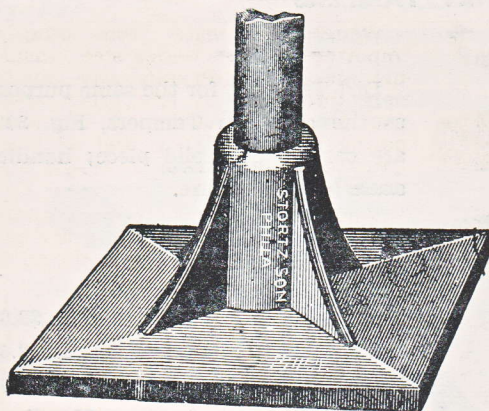
Furnished with 1 inch Pipe Handles.

Recommended where tamper will be subjected to hard and unusual usage.

The most satisfactory tamper for the Utility Companies and Contractors.

Fig. 302

## SQUARE IRON DIRT TAMPERS



## Wood Handles

Inches	Lbs.	Each
6 x 6	12½	\$1.70
8 x 8	14	2.20
10 x 10	17	2.70
12 x 12	18	4.00

For Pipe Handles, Add 7 lbs.

Each additional, \$.60

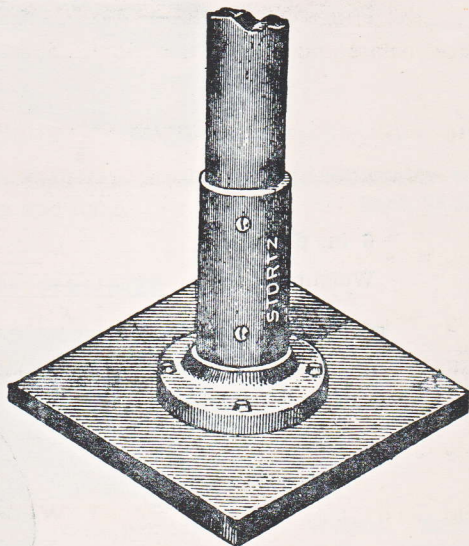
For general use in tamping dirt, cinders, concrete, etc.; made of one piece of iron with strong 4-foot handles.

All Tampers can be furnished with pipe or wood handles. Special sizes or weights made to order.

Fig. 303

## STEEL CONCRETE TAMPERS

Inches	Each
8 x 8.....	\$4.80
10 x 10.....	5.40
12 x 12.....	6.00



These Tampers are made of heavy rolled steel plates,  $\frac{5}{16}$  inch thick, with sockets, securely riveted to the plate with extra heavy rivets, making the most durable Tamper in use. The sockets have lugs on the inside to prevent the handle from becoming loose. Heavy, straight-grained, 4-foot handles.

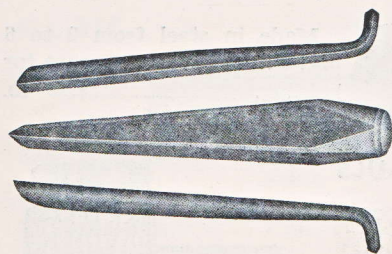
## TAMPER HANDLES

Extra hardwood, 4 feet long, 2 inches thick. .... Per doz. \$9.00



Fig. 304

## WEDGES AND SHIMS



Wedges are made from genuine imported Swedish wedge steel, insuring absolute uniformity and toughness unequalled in any other steel. Our process of hardening and tempering is very efficient and we positively guarantee them to be the best under all conditions.

Wedges and Shims are made in the following standard sizes and are put up in box lots of 50, 100 and 150 lbs.

WEDGES			SHIMS	
Size No.	Length	Size Steel	Size No.	For use with
2½	2½ in.	½ in. x ⅞ in.	2½	No. 2½ wedges .....\$ .56 lb.
2¾	2¾ in.	½ in. x ⅞ in.	2¾	No. 2¾ wedges ..... .54 lb.
3	3 in.	½ square	2	No. 3 wedges ..... .50 lb.
3¼	3¼ in.	½ square	3¼	No. 3¼ wedges ..... .50 lb.
3½	3½ in.	⅞ in. x ½ in.	3½	No. 3½ wedges ..... .48 lb.
3¾	3¾ in.	¾ in. x ½ in.	3¾	No. 3¾ wedges ..... .46 lb.
4	4 in.	¾ in. x ½ in.	4	No. 4 wedges ..... .44 lb.

Also made in 6 in., 8 in., 10 in. and 12 in. lengths.

Fig. 305

## PIPE HANDLE DIGGING BAR



Steel points and blades, 1 in. pipe handle, 5 ft. 6 in. long, weight 11 lbs.  
Each \$4.50

Fig. 306

## STEEL CROW AND DIGGING BAR



1 in. steel, 5 ft. long, 14 lbs. .... Each \$5.00  
1⅞ in. steel, 6 ft. long, 23 lbs. .... " 6.00

Fig. 307

## STEEL TAMPING AND DIGGING BAR



1 in., 7 ft. long, 20 lbs. .... Each \$6.00  
1⅞ in., 8 ft. long, 29 lbs. .... " 7.00

Fig. 308

## FROST WEDGES

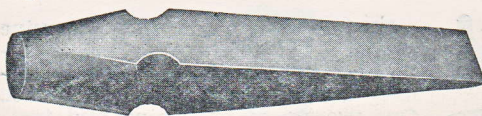


Fig. 309



—\$.46 lb.

Made of steel in lengths 10 in. to 24 in. with wedge or square point as desired.

**Fig. 310****STONE WEDGE**

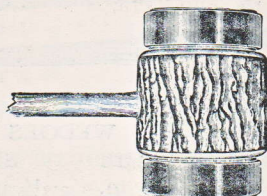
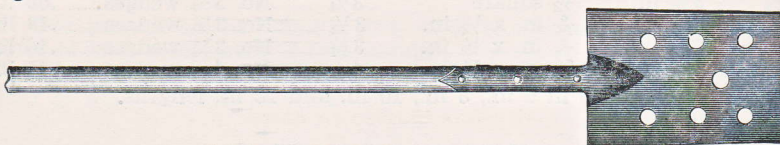
Made in steel from 2 to 6 lbs., with or without crease for holding. ....\$ .48 lb.

**Fig. 311****CONTRACTORS' MAULS**

Made of best grade, well-seasoned wood. Strong iron bands around each end.

Weight, 16 lbs. Each \$7.50

Complete with Handle

**Fig. 312****CONCRETE SPADE**

Used for Slushing Concrete and Cement. ....Each \$4.00

**Fig. 313****STRAIGHT EDGES**

Stock length, 10 ft.

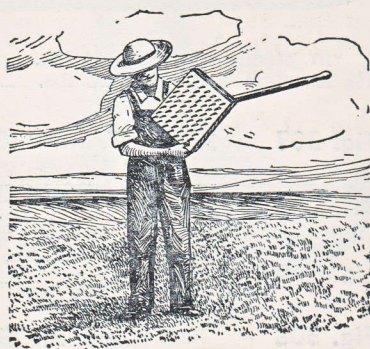
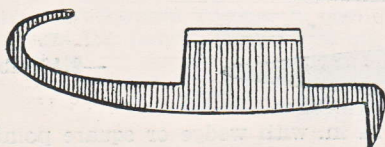
Per foot \$1.20

Can be furnished in any length.

**Fig. 314****SOD PERFORATOR**

For use in loosening soil where grass is worn out, for reseeding; makes a perfect seed bed which means quick growth of grass after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground; also desirable for use on putting greens, for renovating.

Price, \$7.00 each

**Fig. 315****ALL STEEL GRAFTING TOOL**

Made of the best steel. For grafting trees, etc. OTHER designs made to order on receipt of sketch.

Price, \$20.00 doz.



## PAVING BREAKER STEELS

Fig. 316

## CHISEL BIT



Size and Length of Shank	Width of Blade	Each	Standard Lengths Under Collar	Each
1 1/8 in. x 6 in.	3 in.	\$5.00	14 in., 18 in.	\$5.40
1 1/4 in. x 6 in.	3 in.	5.40	14 in., 18 in.	5.76

Fig. 317

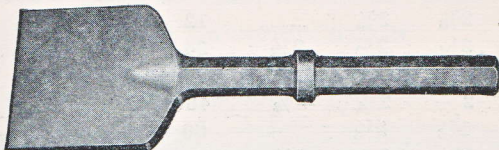
## DIGGING CHISEL



Size and Length of Shank	Blade	Length Under Collar	Each
1 1/8 in. x 6 in.	3 in. wide, 12 in. long	15 1/2 in.	\$14.00
1 1/4 in. x 6 in.	3 in. wide, 12 in. long	15 1/2 in.	16.00
All Sizes Carried in Stock.			

Fig. 318

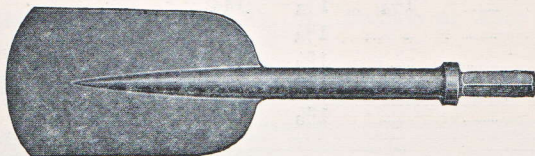
## ASPHALT CUTTER



Size and Length of Hex. Shank	Width of Blade	Standard Length Under Collar	Each
1 1/8 in. x 6 in.	5 in.	10 in.	\$11.50
1 1/4 in. x 6 in.	5 in.	10 in.	12.50

Fig. 319

## CLAY SPADE OR SCOOP



Standard width of blade, 5 inches. Special widths of blade, 4 inches.  
Standard length over all, 20 inches.

Size No.	Shank	Length	To Fit	Machine No.
1	3/4 in. sq.	2 3/4 in.	Chicago Pneumatic	3
2	7/8 in. hex.	2 3/4 in.	Sullivan	M-1
3	3/4 in. hex.	2 3/4 in.	Ingersoll-Rand	56H-156H
4	7/8 in. hex.	3 1/4 in.	Ingersoll-Rand	MP1
				73-57-157
				58-158

Note: Shanks for I-R machines are combination hex. and round.

PRICES ON APPLICATION.

## PNEUMATIC TOOLS

**Fig. 320      HEXAGON HOLLOW DRILL STEEL**



Direct contact with one of the oldest and largest steel mills in Sweden insures us a constant supply of Hollow Drill Steel of the finest quality. After many years' experience in manufacturing rock drills for every conceivable condition, we find this steel absolutely uniform and dependable. Heating, sharpening and tempering are accomplished in the most approved manner with modern equipment by skilled workmen, and every drill steel will be found true to gauge, properly tempered and ready to cut rock speedily.

In addition to the popular section listed below, we can furnish drills from other sections such as quarter octagon, cruciform and Spiral Rolled steel.

### SPECIFICATIONS

1 in. Hex. Hollow—Collar Shanks  
1 in. Hex.  $4\frac{1}{4}$  in. Long Bits — 4  
point or 6 point (Rose)—Bit Di-  
ameters—Inches.

Drilling Length, Inches,	6 ft. Set	9 ft. Set	12 ft. Set	20 ft. Set
12	2	$2\frac{3}{8}$	$2\frac{5}{8}$	.....
24	$1\frac{7}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{1}{2}$
36	$1\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{3}{8}$	.....
48	$1\frac{5}{8}$	2	$2\frac{1}{4}$	$2\frac{3}{8}$
60	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{1}{8}$	.....
72	$1\frac{3}{8}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$
84	.....	$1\frac{5}{8}$	$1\frac{7}{8}$	.....
96	.....	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{8}$
108	.....	$1\frac{3}{8}$	$1\frac{5}{8}$	.....
120	.....	.....	$1\frac{1}{2}$	2
132	.....	.....	$1\frac{3}{8}$	.....
144	.....	.....	$1\frac{1}{4}$	$1\frac{7}{8}$
168	.....	.....	.....	$1\frac{3}{4}$
192	.....	.....	.....	$1\frac{5}{8}$
216	.....	.....	.....	$1\frac{1}{2}$
240	.....	.....	.....	$1\frac{3}{8}$

### SPECIFICATIONS

$\frac{7}{8}$  in. Hex. Hollow — Collar  
Shanks  $\frac{7}{8}$  in. Hex.  $3\frac{1}{4}$  in. Long  
Bits 4 point or 6 point (Rose) —  
Bit Diameters—Inches.

Drilling Length, Inches,	6 ft. Set	9 ft. Set	12 ft. Set	20 ft. Set
12	$1\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{1}{2}$	.....
24	$1\frac{5}{8}$	2	$2\frac{3}{8}$	$2\frac{3}{8}$
36	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{1}{4}$	.....
48	$1\frac{3}{8}$	$1\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{1}{4}$
60	$1\frac{1}{4}$	$1\frac{5}{8}$	2	.....
72	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{1}{8}$
84	.....	$1\frac{3}{8}$	$1\frac{3}{4}$	.....
96	.....	$1\frac{1}{4}$	$1\frac{5}{8}$	2
108	.....	$1\frac{1}{8}$	$1\frac{1}{2}$	.....
120	.....	.....	$1\frac{3}{8}$	$1\frac{7}{8}$
132	.....	.....	$1\frac{1}{4}$	.....
144	.....	.....	$1\frac{1}{8}$	$1\frac{3}{4}$
168	.....	.....	.....	$1\frac{5}{8}$
192	.....	.....	.....	$1\frac{1}{2}$
216	.....	.....	.....	$1\frac{3}{8}$
240	.....	.....	.....	$1\frac{1}{4}$

### HOLLOW DRILL STEELS

	12"	24"	36"	48"	60"	72"	84"	Each
$\frac{7}{8}$ "	\$4.00	\$4.80	\$5.60	\$6.40	\$7.20	\$8.00	\$8.80	"
1"	5.40	6.50	7.60	8.70	9.80	10.90	12.00	"
	96"	108"	120"	132"	144"	168"		
$\frac{7}{8}$ "	\$9.60	\$10.40	\$11.20	\$12.00	\$12.80	\$14.40	\$16.80	"
1"	13.10	14.20	15.30	16.40	17.50	19.70	21.80	"
	192"	216"	240"					
$\frac{7}{8}$ "	\$16.00	\$17.60	\$19.20					"
1"	21.90	24.10	26.30					"



Fig. 321

## PAVING BREAKER STEELS



## (Moil Point)

Size of Shank

Standard Lengths Under Collar

1 1/8 in. x 6 in.	14 in. .... \$3.60, 18 in. .... \$4.00, 24 in. .... \$4.80, 30 in. .... \$5.60
1 1/4 in. x 6 in.	14 in. .... 4.00, 18 in. .... 4.40, 24 in. .... 5.20, 30 in. .... 6.60

All Sizes Carried in Stock.

Every point is especially heat-treated, producing a tool of extreme toughness to withstand severe usage.

Fig. 322

## CHISELS AND STAR DRILLS

A.



B.



C.



Chisels and Star Drills for Black & Decker, Syntroon and similar type hammers. All hand chisels as shown in front pages of the catalogue may be had with shanks. Specify hammer and model number.

PRICES ON APPLICATION.

Fig. 323

## PLUG DRILL BIT



Size of Stock	Size of Bit	Average Weight per 100	Each
3/4 in. qr. oct.	5/8 in.	200 lbs.	\$1.50
3/4 in. qr. oct.	1/2 in.	190 lbs.	1.30
3/4 in. qr. oct.	7/16 in.	150 lbs.	1.20

Regular length about 18 inches.

Standard shanks 1 1/16 in. x 2 1/2 in. Carbon or Alloy Steel.

## Pneumatic Chisel Blanks



Fig. 324

## Round, Hexagon and Differential Shank

Body

Length Overall

3/4

9 in. and 12 in.

7/8

9 in. and 12 in.

1

9 in. and 12 in.

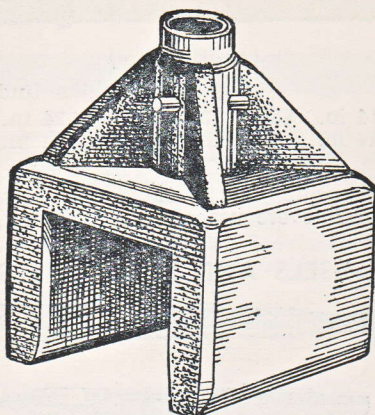
PRICES ON APPLICATION.

Other lengths made to order.

All types of Chisels. Star Drills and points furnished. Chisels redressed. Specify make and model of hammer when ordering.

Fig. 325

## SHEATHING DRIVER

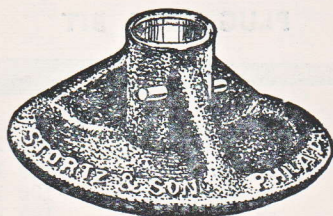


With detachable shank to fit all standard paving breaker machines. Five inches wide with opening to fit either 2-inch or 3-inch plank.

2 inch Plank ..... Each \$12.00      3 inch Plank ..... Each \$13.00

Fig. 326

## STEEL TAMPER PAD



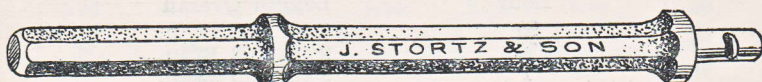
For Heavy Duty Work

Furnished

Round	5 inch	6 inch	7 inch
Each .....	\$12.00	\$13.00	\$14.00
Square—6 x 6 inches. .... Each \$13.00			

Fig. 327

## FORGED STEEL SHANK



For use with above tools, making them interchangeable by just removing pin; made to fit all standard paving breaker machines.

Price, each \$7.90



Fig. 328

## STRAIGHT DOLLY BAR



Stortz Dolly Bars are cupped both ends for same size of rivet unless otherwise ordered.

Rivet Size	Length	Size Stock	Weight	Each
$\frac{3}{8}$ in.	24 in.	$1\frac{1}{2}$ in.	12 lbs.	\$ 5.00
$\frac{1}{2}$ in.	24 in.	$1\frac{5}{8}$ in.	14 lbs.	5.50
$\frac{5}{8}$ in.	24 in.	$1\frac{3}{4}$ in.	16 lbs.	7.00
$\frac{3}{4}$ in.	30 in.	2 in.	27 lbs.	9.00
$\frac{7}{8}$ in.	30 in.	2 in.	27 lbs.	12.00
1 in.	30 in.	$2\frac{1}{8}$ in.	30 lbs.	14.00

Fig. 329

## OFFSET DOLLY BAR (Club Dolly)



Stortz Dolly Bars are cupped both ends for same size of rivet unless otherwise ordered.

Rivet Size	Length	Size Stock	Weight	Each
$\frac{3}{8}$ in.	24 in.	$1\frac{1}{2}$ in.	12 lbs.	\$ 6.00
$\frac{1}{2}$ in.	24 in.	$1\frac{5}{8}$ in.	14 lbs.	7.00
$\frac{5}{8}$ in.	24 in.	$1\frac{3}{4}$ in.	16 lbs.	9.00
$\frac{3}{4}$ in.	30 in.	2 in.	27 lbs.	12.00
$\frac{7}{8}$ in.	30 in.	2 in.	27 lbs.	14.00
1 in.	30 in.	$2\frac{1}{8}$ in.	30 lbs.	17.00

Fig. 330

## HEEL DOLLY



Rivet Size	Length	Weight	All Sizes
$\frac{5}{8}$ in.	48 in.	11 lbs.	\$14.00 Each
$\frac{3}{4}$ in.	48 in.	11 lbs.	14.00 "
$\frac{7}{8}$ in.	48 in.	11 lbs.	14.00 "
1 in.	48 in.	11 lbs.	14.00 "

Fig. 330-A

## TOOL STEEL DRIFT PIN

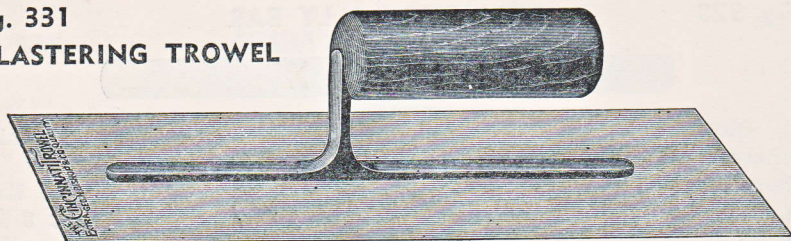


Forged from a very hard and tough grade of steel in the following standard sizes:

Size of Steel	Length	Aver. Weight Per 100	Each
$\frac{7}{16}$ in.	6 in.	21 lbs.	\$ .24
$\frac{9}{16}$ in.	$6\frac{1}{2}$ in.	37 lbs.	.26
$\frac{11}{16}$ in.	7 in.	57 lbs.	.30
$\frac{13}{16}$ in.	$7\frac{1}{2}$ in.	83 lbs.	.36
$\frac{15}{16}$ in.	8 in.	120 lbs.	.40
$1\frac{1}{16}$ in.	$8\frac{1}{2}$ in.	150 lbs.	.48
$1\frac{3}{16}$ in.	9 in.	200 lbs.	.74
$1\frac{5}{16}$ in.	9 in.	250 lbs.	.94

We can promptly furnish special Drift Pins of any size or type on short notice. Let us quote on your specifications.

**Fig. 331**  
**PLASTERING TROWEL**

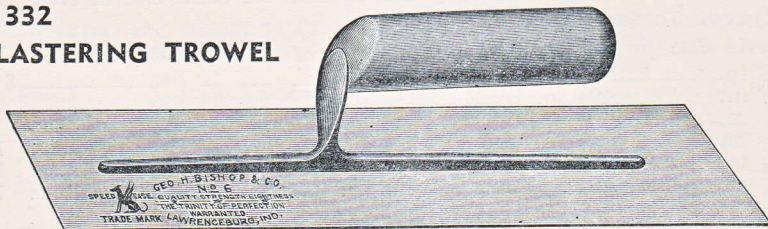


"OHIO" Plastering Trowel. Tempered and polished Spring Steel blade. Natural finish hardwood handle. An exceptionally well made tool economically priced.

No.	Length	Width	Rivets	Per doz.
50	10	4 1/2	4	\$22.00
50	10 1/2	4 1/2	4	22.00
50	11	4 1/2	4	22.00
50	11 1/2	4 1/2	4	22.00
50	12	4 1/2	4	22.00

Packed 1/2 doz. in a box.

**Fig. 332**  
**PLASTERING TROWEL**

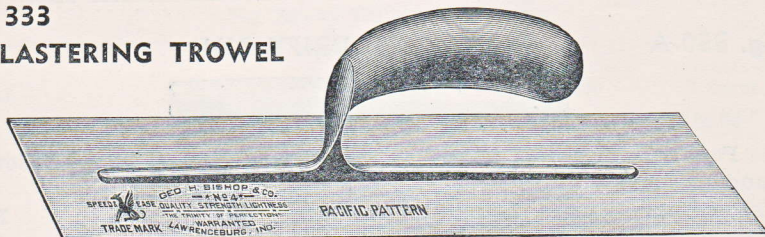


"METEORITE" Plastering Trowel. A good selling tool with tempered Spring Steel Blade. Accurately ground. Medium length mounting. Straight natural finished handle.

No.	Length	Width	Rivets	Per doz.
7	10 1/2	4 3/4	7	\$42.00
7	11	4 3/4	7	42.00
7	11 1/2	4 3/4	7	42.00

Packed 1/3 doz. in a box.

**Fig. 333**  
**PLASTERING TROWEL**



Finishing type, California pattern. Hardwood handle. Greyhound Saw Steel Blade..... light, flexible, tempered and ground..... Balanced for Speed and Ease. Steel rivets. Handle secured by "Evertight" fastener.

No.	Length	Width	Rivets	Per doz.
BF-4	10 1/2	4 1/2	10	\$48.00
BF-4	11	4 3/4	10	48.00
BF-4	11 1/2	4 3/4	10	48.00
BF-4	12	4 3/4	10	48.00

Packed 1/3 doz. in a box.



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